

STI Type: BF200  
Notes:  
Polarity: NPN  
Power Dissipation: .15  
Tj: 200  
VCBO: 30  
VCEO: 20  
hFE min: 15  
hFE max:  
hFE A: 3.0  
VCE:  
VCE A:  
hfe:  
fT: 550  
Case Style: TO-206AF/TO-72:  
Industry Type: BF200

STI Type: BF183  
Notes:  
Polarity: NPN  
Power Dissipation: .15  
Tj: 200  
VCBO: 25  
VCEO: 20  
hFE min: 10  
hFE max:  
hFE A: 3.0  
VCE:  
VCE A:  
hfe:  
fT: 800  
Case Style: TO-206AF/TO-72:  
Industry Type: BF183

STI Type: BF206  
Notes:  
Polarity: NPN  
Power Dissipation: .20  
Tj: 200  
VCBO: 30  
VCEO: 20  
hFE min: 20  
hFE max:  
hFE A: 5.0  
VCE:  
VCE A:  
hfe:  
fT: 500  
Case Style: TO-206AF/TO-72:  
Industry Type: BF206

STI Type: BF208  
Notes:  
Polarity: NPN  
Power Dissipation: .23  
Tj: 200  
VCBO: 40  
VCEO: 25  
hFE min: 100  
hFE max:  
hFE A: 5.0  
VCE:  
VCE A:  
hfe:  
fT: 600  
Case Style: TO-206AF/TO-72:  
Industry Type: BF208

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STI Type: BF207  
Notes:  
Polarity: NPN  
Power Dissipation: .15  
Tj: 200  
VCBO: 40  
VCEO: 30  
hFE min: 80  
hFE max:  
hFE A: 4.0  
VCE:  
VCE A:  
hfe:  
fT: 400  
Case Style: TO-206AF/TO-72:  
Industry Type: BF207

STI Type: BF209  
Notes:  
Polarity: NPN  
Power Dissipation: .20  
Tj: 200  
VCBO: 30  
VCEO: 20  
hFE min: 15  
hFE max:  
hFE A: 1.0  
VCE:  
VCE A:  
hfe:  
fT: 500  
Case Style: TO-206AF/TO-72:  
Industry Type: BF209

STI Type: BF213  
Notes:  
Polarity: NPN  
Power Dissipation: .20  
Tj: 200  
VCBO: 30  
VCEO: 20  
hFE min: 30  
hFE max:  
hFE A: 5.0  
VCE:  
VCE A:  
hfe:  
fT: 600  
Case Style: TO-206AF/TO-72:  
Industry Type: BF213

STI Type: 2N5618  
Notes:  
Polarity: NPN  
Power Dissipation:  
Tj:  
VCEV:  
VCEO: 80  
hFE min: 70  
hFE max: 200  
hFE A: 2.5  
VCE: 5.0  
VCE A: 2.5  
fT:  
Case Style: TO-204AA/TO-3  
Industry Type: 2N5618

STI Type: BF212  
Notes:  
Polarity: NPN  
Power Dissipation: .20  
Tj: 200  
VCBO: 30  
VCEO: 20  
hFE min: 45  
hFE max:  
hFE A: 5.0  
VCE:  
VCE A:  
hfe:  
fT: 700  
Case Style: TO-206AF/TO-72:  
Industry Type: BF212

STI Type: BF251  
Notes:  
Polarity: NPN  
Power Dissipation: .40  
Tj: 200  
VCBO: 30  
VCEO: 25  
hFE min: 30  
hFE max:  
hFE A: 4.0  
VCE:  
VCE A:  
hfe:  
fT: 500  
Case Style: TO-206AF/TO-72:  
Industry Type: BF251

STI Type: BF258  
Notes:  
Polarity: NPN  
Power Dissipation: 5.0  
VCEV:  
VCEO: 250  
ICEV:  
ICEV A:  
hFE: 25  
hFE A: .03  
VCE: 1.0  
VBE:  
IC: .03  
COB:  
fT: 90  
Case Style: TO-205AD/TO-39:  
Industry Type: BF258

STI Type: BF257  
Notes:  
Polarity: NPN  
Power Dissipation: 5.0  
VCEV:  
VCEO: 160  
ICEV:  
ICEV A:  
hFE: 25  
hFE A: .03  
VCE: 1.0  
VBE:  
IC: .03  
COB:  
fT: 90  
Case Style: TO-205AD/TO-39:

Industry Type: BF257

STI Type: BF259

Notes:

Polarity: NPN

Power Dissipation: 5.0

VCEV:

VCEO: 300

ICEV:

ICEV A:

hFE: 25

hFE A: .03

VCE: 1.0

VBE:

IC: .03

COB:

fT: 90

Case Style: TO-205AD/TO-39:

Industry Type: BF259

STI Type: BF272

Notes:

Polarity: PNP

Power Dissipation:

Tj:

VCBO:

VCEO:

hFE min:

hFE max:

hFE A:

VCE:

VCE A:

hfe:

fT:

Case Style: TO-206AF/TO-72:

Industry Type: BF272

STI Type: BF272A

Notes:

Polarity: PNP

Power Dissipation: 200m

Tj:

VCBO:

VCEO: 35

hFE min:

hFE max:

hFE A:

VCE:

VCE A:

hfe:

fT: 850

Case Style: TO-206AF/TO-72:

Industry Type: BF272A

STI Type: BF272ADIE

Industry Type: BF272ADIE

V CEO:

ICBO ICEX:

h FE:

IC:

V CE:

Case Style:

STI Type: BF316

Notes:

Polarity: PNP

Power Dissipation:

Tj:  
VCBO:  
VCEO:  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AF/TO-72:  
Industry Type: BF316

STI Type: BF316DIE  
Industry Type: BF316DIE  
V CEO:  
ICBO ICEX:  
h FE:  
IC:  
V CE:  
Case Style:

STI Type: 2N2903DIE  
Industry Type: 2C2903  
V CEO: 30  
ICBO ICEX:  
h FE: 125  
IC: 1.0M  
V CE:  
Case Style:

STI Type: 2N5619  
Notes:  
Polarity: PNP  
Power Dissipation:  
Tj:  
VCEV:  
VCEO: 100  
hFE min: 30  
hFE max: 90  
hFE A: 2.5  
VCE: 1.50  
VCE A: 5.0  
fT: 50  
Case Style: TO-204AA/TO-3  
Industry Type: 2N5619

STI Type: BF336  
Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCEV:  
VCEO: 180  
ICEV:  
ICEV A:  
hFE: 20  
hFE A: .03  
VCE:  
VBE:  
IC:  
COB:  
fT: 80  
Case Style: TO-205AD/TO-39:  
Industry Type: BF336

STI Type: BF316A  
Notes:  
Polarity:  
Power Dissipation:

Tj:  
VCBO:  
VCEO:  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AF/TO-72:  
Industry Type: BF316A

STI Type: BF338

Notes:  
Polarity: NPN  
Power Dissipation: .80  
Tj: 200  
VCBO: 300  
VCEO: 225  
hFE min: 20  
hFE max: 60  
hFE A: 30  
VCE:  
VCE A:  
hfe:  
fT: 50  
Case Style: TO-205AD/TO-39:  
Industry Type: BF338

STI Type: BF390

Notes:  
Polarity: NPN  
Power Dissipation: .17  
Tj: 200  
VCBO:  
VCEO: 300  
hFE min: 20  
hFE max:  
hFE A: 20  
VCE:  
VCE A:  
hfe:  
fT: 120  
Case Style: TO-205AD/TO-39:  
Industry Type: BF390

STI Type: BF337

Notes:  
Polarity: NPN  
Power Dissipation: .80  
VCEV:  
VCEO: 200  
ICEV:  
ICEV A:  
hFE: 20  
hFE A: .03  
VCE:  
VBE:  
IC:  
COB: 3.5  
fT: 80  
Case Style: TO-205AD/TO-39:  
Industry Type: BF337

STI Type: BF509DIE  
Industry Type: BF509DIE

V CEO:  
ICBO ICEX:  
h FE:  
IC:  
V CE:  
Case Style:

STI Type: BF523A  
Notes:  
Polarity: NPN  
Power Dissipation: 8.0  
Tj:  
VCBO: 65  
VCEO:  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-205AD/TO-39:  
Industry Type: BF523A

STI Type: BF586  
Notes:  
Polarity: PNP  
Power Dissipation: 1.6  
VCEV:  
VCEO: 300  
ICEV:  
ICEV A:  
hFE: 50  
hFE A: 25m  
VCE:  
VBE:  
IC:  
COB:  
fT: 110  
Case Style: TO-220AB/TO-220:  
Industry Type: BF586

STI Type: BF588  
Notes:  
Polarity: PNP  
Power Dissipation: 1.6  
VCEV:  
VCEO: 350  
ICEV:  
ICEV A:  
hFE: 50  
hFE A: 25m  
VCE: 0.5  
VBE:  
IC: 20m  
COB:  
fT: 110  
Case Style: TO-220AB/TO-220:  
Industry Type: BF588

STI Type: BF658  
Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCEV: 250  
VCEO: 250  
ICEV:  
ICEV A:

hFE: 80  
hFE A: 30m  
VCE:  
VBE:  
IC:  
COB:  
fT:  
Case Style: TO-205AD/TO-39:  
Industry Type: BF658

STI Type: 2N5620  
Notes:  
Polarity: NPN  
Power Dissipation: 50  
Tj:  
VCBO:  
VCEO: 100  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-204AA:  
Industry Type: 2N5620

STI Type: BF659  
Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCEV: 300  
VCEO: 300  
ICEV:  
ICEV A:  
hFE: 80  
hFE A: 30m  
VCE:  
VBE:  
IC:  
COB:  
fT:  
Case Style: TO-205AD/TO-39:  
Industry Type: BF659

STI Type: BF479DIE  
Industry Type: BF479DIE  
V CEO:  
ICBO ICEX:  
h FE:  
IC:  
V CE:  
Case Style:

STI Type: BF679DIE  
Industry Type: BF679DIE  
V CEO:  
ICBO ICEX:  
h FE:  
IC:  
V CE:  
Case Style:

STI Type: BF689  
Notes:  
Polarity: NPN  
Power Dissipation: .20  
Tj: 200



VCBO: 25  
VCEO:  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT: 1000  
Case Style: TO-206AF/TO-72:  
Industry Type: BF689

STI Type: BFQ22

Notes:  
Polarity: NPN  
Power Dissipation: .15  
Tj: 200  
VCBO: 15  
VCEO: 12  
hFE min: 25  
hFE max: 50  
hFE A: 30  
VCE:  
VCE A:  
hfe:  
fT: 5000  
Case Style: TO-206AF/TO-72:  
Industry Type: BFQ22

STI Type: BFQ22S

Notes:  
Polarity: NPN  
Power Dissipation: .15  
Tj: 200  
VCBO: 15  
VCEO: 12  
hFE min: 50  
hFE max: 150  
hFE A: 10  
VCE:  
VCE A:  
hfe:  
fT: 5000  
Case Style: TO-206AF/TO-72:  
Industry Type: BFQ22S

STI Type: BFQ38

Notes:  
Polarity: PNP  
Power Dissipation:  
Tj:  
VCBO:  
VCEO:  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AF/TO-72:  
Industry Type: BFQ38

STI Type: BFQ24

Notes:  
Polarity: PNP  
Power Dissipation:

Tj:  
VCBO:  
VCEO:  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AF/TO-72:  
Industry Type: BFQ24

STI Type: BFQ52

Notes:  
Polarity: NPN  
Power Dissipation: .15  
Tj: 200  
VCBO: 20  
VCEO: 15  
hFE min: 20  
hFE max: 50  
hFE A: 14  
VCE:  
VCE A:  
hfe:  
fT: 5000  
Case Style: TO-206AF/TO-72:  
Industry Type: BFQ52

STI Type: BFR23

Notes:  
Polarity: PNP  
Power Dissipation: 70  
Tj: 200  
VCBO: 90  
VCEO: 65  
hFE min: 40  
hFE max: 140  
hFE A: 150  
VCE: .65  
VCE A: 150  
hfe:  
fT: 60  
Case Style: TO-205AD/TO-39:  
Industry Type: BFR23

STI Type: 2N5621

Notes:  
Polarity: PNP  
Power Dissipation:  
Tj:  
VCEV:  
VCEO: 60  
hFE min: 70  
hFE max: 200  
hFE A: 5.0  
VCE: 1.50  
VCE A: 10  
fT: 40  
Case Style: TO-204AA/TO-3  
Industry Type: 2N5621

STI Type: BFQ53

Notes:  
Polarity: NPN  
Power Dissipation: .15  
Tj: 200

VCBO: 20  
VCEO: 15  
hFE min: 20  
hFE max: 50  
hFE A: 14  
VCE:  
VCE A:  
hfe:  
fT: 5000  
Case Style: TO-206AF/TO-72:  
Industry Type: BFQ53

STI Type: BFR24

Notes:  
Polarity: PNP  
Power Dissipation: 7.0  
Tj: 200  
VCBO: 60  
VCEO: 40  
hFE min: 50  
hFE max: 250  
hFE A: 150  
VCE: 1.4  
VCE A: 150  
hfe:  
fT:  
Case Style: TO-205AD/TO-39:  
Industry Type: BFR24

STI Type: BFR38

Notes:  
Polarity:  
Power Dissipation:  
Tj:  
VCBO:  
VCEO:  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-205AD/TO-39:  
Industry Type: BFR38

STI Type: BFR36

Notes:  
Polarity:  
Power Dissipation:  
Tj:  
VCBO:  
VCEO:  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-205AD/TO-39:  
Industry Type: BFR36

STI Type: BFR38DIE  
Industry Type: BFR38DIE  
V CEO:  
ICBO ICEX:

h FE:  
IC:  
V CE:  
Case Style:

STI Type: BFR58  
Notes:  
Polarity: NPN  
Power Dissipation: 800  
Tj:  
VCBO:  
VCEO: 250  
hFE min: 25  
hFE max:  
hFE A: 30  
VCE: 10  
VCE A: 30  
hfe:  
fT: 90  
Case Style: TO-205AD/TO-39:  
Industry Type: BFR58

STI Type: BFR59  
Notes:  
Polarity: NPN  
Power Dissipation: .80  
Tj: 175  
VCBO: 300  
VCEO: 300  
hFE min: 25  
hFE max:  
hFE A: 30  
VCE: 1.0  
VCE A: 30  
hfe:  
fT: 90  
Case Style: TO-205AD/TO-39:  
Industry Type: BFR59

STI Type: BFR98  
Notes:  
Polarity: NPN  
Power Dissipation: 3.5  
Tj: 200  
VCBO:  
VCEO: 20  
hFE min: 10  
hFE max: 200  
hFE A: 100  
VCE: 0.5  
VCE A: 100  
hfe:  
fT: 500  
Case Style: TO-205AD/TO-39:  
Industry Type: BFR98

STI Type: BFR99  
Notes:  
Polarity: PNP  
Power Dissipation: 225  
Tj: 200  
VCBO:  
VCEO: 25  
hFE min: 25  
hFE max:  
hFE A: 10  
VCE:  
VCE A:

hfe:  
fT: 2.0GhZ  
Case Style: TO-206AF/TO-72:  
Industry Type: BFR99

STI Type: BFR99A  
Notes:  
Polarity: PNP  
Power Dissipation:  
Tj:  
VCBO:  
VCEO:  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AF/TO-72:  
Industry Type: BFR99A

STI Type: 2N5622  
Notes:  
Polarity: NPN  
Power Dissipation: 100  
Tj:  
VCBO:  
VCEO: 60  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-204AA:  
Industry Type: 2N5622

STI Type: BFS55AM  
Notes:  
Polarity: NPN  
Power Dissipation: 250m  
Tj:  
VCBO: 15  
VCEO:  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AF/TO-72:  
Industry Type: BFS55AM

STI Type: BFR99DIE  
Industry Type: BFR99DIE  
V CEO:  
ICBO ICEX:  
h FE:  
IC:  
V CE:  
Case Style:

STI Type: BFS92  
Notes:

Polarity: PNP  
Power Dissipation: 5.0  
Tj: 200  
VCBO: 100  
VCEO: 60  
hFE min: 30  
hFE max:  
hFE A: 150  
VCE: .25  
VCE A: 10  
hfe:  
fT: 70  
Case Style: TO-205AD/TO-39:  
Industry Type: BFS92

STI Type: BFS93

Notes:  
Polarity: PNP  
Power Dissipation: 5.0  
Tj: 200  
VCBO: 100  
VCEO: 60  
hFE min: 70  
hFE max:  
hFE A: 150  
VCE: .35  
VCE A: 150  
hfe:  
fT: 70  
Case Style: TO-205AD/TO-39:  
Industry Type: BFS93

STI Type: BFS94

Notes:  
Polarity: PNP  
Power Dissipation: .80  
Tj: 200  
VCBO: 80  
VCEO: 40  
hFE min: 40  
hFE max:  
hFE A: 150  
VCE: .20  
VCE A: 150  
hfe:  
fT: 40  
Case Style: TO-205AD/TO-39:  
Industry Type: BFS94

STI Type: BFS95

Notes:  
Polarity: PNP  
Power Dissipation: 5.0  
Tj: 200  
VCBO: 40  
VCEO: 35  
hFE min: 70  
hFE max:  
hFE A: 150  
VCE: .20  
VCE A: 150  
hfe:  
fT: 70  
Case Style: TO-205AD/TO-39:  
Industry Type: BFS95

STI Type: BFT19A

Notes: \*BVCEO  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO: 300  
VCER: 250\*  
ICBO: 200  
ICBO A: 100  
hFE: 25  
hFE A: 30  
VCE: 2.5  
VBE: 1.8  
IC: 30  
COB: 15  
fT: 25  
Case Style: TO-205AD/TO-39  
Industry Type: BFT19A

STI Type: BFT19

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
Tj: 200  
VCBO: 200  
VCEO: 150  
hFE min: 25  
hFE max:  
hFE A: 30  
VCE: 1.0  
VCE A: 10  
hfe: 25  
fT: 25  
Case Style: TO-205AD/TO-39:  
Industry Type: BFT19

STI Type: BFT19B

Notes: \*BVCEO  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO: 400  
VCER: 350\*  
ICBO: 300  
ICBO A: 100  
hFE: 25  
hFE A: 30  
VCE: 2.5  
VBE: 1.8  
IC: 30  
COB: 15  
fT: 25  
Case Style: TO-205AD/TO-39  
Industry Type: BFT19B

STI Type: BFT28

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
Tj: 200  
VCBO: 150  
VCEO: 100  
hFE min: 20  
hFE max:  
hFE A: 10  
VCE: .60  
VCE A: 10  
hfe: 25  
fT: 25  
Case Style: TO-205AD/TO-39:  
Industry Type: BFT28

STI Type: 2N5623  
Notes:  
Polarity: PNP  
Power Dissipation:  
Tj:  
VCEV:  
VCEO: 80  
hFE min: 30  
hFE max: 90  
hFE A: 5.0  
VCE: 1.50  
VCE A: 10  
fT: 40  
Case Style: TO-204AA/TO-3  
Industry Type: 2N5623

STI Type: BFT28A  
Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
Tj: 200  
VCBO: 200  
VCEO: 150  
hFE min: 20  
hFE max:  
hFE A: 10  
VCE: .60  
VCE A: 10  
hfe: 25  
fT: 25  
Case Style: TO-205AD/TO-39:  
Industry Type: BFT28A

STI Type: BFT28B  
Notes: \*BVCEO  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO: 250  
VCER: 200\*  
ICBO: 150  
ICBO A: 5.0  
hFE: 20  
hFE A: 10  
VCE: 5.0  
VBE: 1.5  
IC: 10  
COB: 15  
fT: 25  
Case Style: TO-205AD/TO-39  
Industry Type: BFT28B

STI Type: BFT28C  
Notes: \*BVCEO  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO: 300  
VCER: 250\*  
ICBO: 150  
ICBO A: 5.0  
hFE: 20  
hFE A: 10  
VCE: 5.0  
VBE: 1.5  
IC: 10  
COB: 15  
fT: 25  
Case Style: TO-205AD/TO-39



Industry Type: BFT28C

STI Type: BFT32

Notes:

Polarity: NPN

Power Dissipation: 1.0

Tj: 200

VCBO: 80

VCEO: 60

hFE min: 50

hFE max: 300

hFE A: 150

VCE:

VCE A:

hfe:

fT: 100

Case Style: TO-205AD/TO-39:

Industry Type: BFT32

STI Type: BFT33

Notes:

Polarity: NPN

Power Dissipation: 1.0

Tj: 200

VCBO: 100

VCEO: 80

hFE min: 50

hFE max: 250

hFE A: 150

VCE:

VCE A:

hfe:

fT: 100

Case Style: TO-205AD/TO-39:

Industry Type: BFT33

STI Type: BFT35

Notes:

Polarity: PNP

Power Dissipation: 1.0

Tj: 200

VCBO: 80

VCEO: 60

hFE min: 50

hFE max: 300

hFE A: 150

VCE:

VCE A:

hfe:

fT: 100

Case Style: TO-205AD/TO-39:

Industry Type: BFT35

STI Type: BFT34

Notes:

Polarity: NPN

Power Dissipation: 1.0

Tj: 200

VCBO: 120

VCEO: 100

hFE min: 50

hFE max: 200

hFE A: 150

VCE:

VCE A:

hfe:

fT: 100

Case Style: TO-205AD/TO-39:  
Industry Type: BFT34

STI Type: BFT36

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
Tj: 200  
VCBO: 100  
VCEO: 80  
hFE min: 50  
hFE max: 250  
hFE A: 150  
VCE:  
VCE A:  
hfe:  
fT: 100  
Case Style: TO-205AD/TO-39:  
Industry Type: BFT36

STI Type: BFT37

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
Tj: 200  
VCBO: 120  
VCEO: 100  
hFE min: 50  
hFE max: 200  
hFE A: 150  
VCE:  
VCE A:  
hfe:  
fT: 100  
Case Style: TO-205AD/TO-39:  
Industry Type: BFT37

STI Type: BFT44

Notes:  
Polarity: PNP  
Power Dissipation: 5.0  
VCEV: 300  
VCEO: 300  
ICEV:  
ICEV A:  
hFE: 50  
hFE A: 10mA  
VCE: 0.5  
VBE: 0.8  
IC: 10m  
COB:  
fT: 70  
Case Style: TO-205AD/TO-39:  
Industry Type: BFT44

STI Type: 2N5624

Notes:  
Polarity: NPN  
Power Dissipation:  
Tj:  
VCEV:  
VCEO: 80  
hFE min: 30  
hFE max: 90  
hFE A: 5.0  
VCE: 5.0  
VCE A: 5.0

ft:  
Case Style: TO-204AA/TO-3  
Industry Type: 2N5624

STI Type: BFT45  
Notes: \*BVCEO  
Polarity: PNP  
Power Dissipation: 5.0  
VCBO: 250  
VCER: 250\*  
ICBO:  
ICBO A:  
hFE: 50  
hFE A: 10  
VCE:  
VBE:  
IC:  
COB:  
ft: 60

Case Style: TO-205AD/TO-39  
Industry Type: BFT45

STI Type: BFT66  
Notes:  
Polarity: NPN  
Power Dissipation: .20  
Tj: 200  
VCBO: 20  
VCEO: 15  
hFE min: 50  
hFE max: 250  
hFE A: 3.0  
VCE:  
VCE A:  
hfe:  
ft: 3600  
Case Style: TO-206AF/TO-72:  
Industry Type: BFT66

STI Type: BFW45  
Notes:  
Polarity: NPN  
Power Dissipation: .80  
Tj: 200  
VCBO: 165  
VCEO: 130  
hFE min: 20  
hFE max: 120  
hFE A: 50  
VCE: 10  
VCE A: 50  
hfe:  
ft: 800  
Case Style: TO-205AD/TO-39:  
Industry Type: BFW45

STI Type: BFX11  
Notes:  
Polarity: PNP  
Power Dissipation: .50  
VCEO: 45  
hFE min: 200  
hFE max:  
hFE A: 1.0  
Matching hFE:  
Matching VBE:  
Tracking:  
Case Style: TO-78

Industry Type: BFX11

STI Type: BFX34

Notes:

Polarity: NPN

Power Dissipation: .87

Tj: 200

VCBO: 120

VCEO: 60

hFE min: 40

hFE max: 150

hFE A: 2.0

VCE: 1.6

VCE A: 5000

hfe:

fT: 70

Case Style: TO-205AD/TO-39:

Industry Type: BFX34

STI Type: BFX36

Notes:

Polarity: PNP

Power Dissipation: .60

VCEO: 60

hFE min: 100

hFE max:

hFE A: .001

Matching hFE:

Matching VBE:

Tracking:

Case Style: TO-78

Industry Type: BFX36

STI Type: BFX37

Notes: \*BVCES

Polarity: PNP

Power Dissipation: .36

Tj: 200

VCBO: 90\*

VCEO: 80

hFE min: 125

hFE max: 280

hFE A: 10

VCE: .10

VCE A: 10

hfe: 250

fT: 40

Case Style: TO-206AA/TO-18:

Industry Type: BFX37

STI Type: BFX38

Notes:

Polarity: PNP

Power Dissipation: 4.0

Tj: 200

VCBO: 55

VCEO: 55

hFE min: 30

hFE max:

hFE A: 1.0

VCE: 0.15 Max

VCE A: 150m

hfe:

fT: 100 Min

Case Style: :

Industry Type: BFX38

STI Type: BFX39  
Notes:  
Polarity: PNP  
Power Dissipation: 4.0  
Tj: 200  
VCBO: 55  
VCEO: 55  
hFE min: 15  
hFE max:  
hFE A: 1.0  
VCE: 0.15 Max  
VCE A: 150m  
hfe:  
fT: 100 Min  
Case Style: :  
Industry Type: BFX39

STI Type: BFX41  
Notes:  
Polarity: PNP  
Power Dissipation: 4.0  
Tj: 200  
VCBO: 75  
VCEO: 75  
hFE min: 10  
hFE max:  
hFE A: 1.0  
VCE: 0.15 Max  
VCE A: 150m  
hfe:  
fT: 100 Min  
Case Style: :  
Industry Type: BFX41

STI Type: 2N5625  
Notes:  
Polarity: PNP  
Power Dissipation:  
Tj:  
VCEV:  
VCEO: 80  
hFE min: 70  
hFE max: 200  
hFE A: 5.0  
VCE: 1.50  
VCE A: 10  
fT: 40  
Case Style: TO-204AA/TO-3  
Industry Type: 2N5625

STI Type: BFX40  
Notes:  
Polarity: PNP  
Power Dissipation: 4.0  
Tj: 200  
VCBO: 75  
VCEO: 75  
hFE min: 25  
hFE max:  
hFE A: 1.0  
VCE: 0.15 Max  
VCE A: 150m  
hfe:  
fT: 100 Min  
Case Style: :  
Industry Type: BFX40

STI Type: BFX47  
Notes:  
Polarity: NPN  
Power Dissipation: .20  
Tj: 200  
VCBO: 30  
VCEO: 25  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AF/TO-72  
: Darlington  
Industry Type: BFX47

STI Type: BFX79  
Notes: \*Typical  
Polarity: NPN/PNP  
Power Dissipation: .60  
VCEO: 60  
hFE min: 60  
hFE max: 125\*  
hFE A: 150  
Matching hFE:  
Matching VBE:  
Tracking:  
Case Style: TO-77  
Industry Type: BFX79

STI Type: BFX48  
Notes:  
Polarity: NPN  
Power Dissipation: .36  
Tj: 200  
VCBO: 30  
VCEO: 30  
hFE min: 20  
hFE max:  
hFE A: 50  
VCE: .30  
VCE A: 50  
hfe:  
fT: 400  
Case Style: TO-206AA/TO-18:  
Industry Type: BFX48

STI Type: BFX81  
Notes:  
Polarity: NPN/PNP  
Power Dissipation: .50  
VCEO: 20  
hFE min: 30  
hFE max:  
hFE A: 10  
Matching hFE:  
Matching VBE:  
Tracking:  
Case Style: TO-77  
Industry Type: BFX81

STI Type: BFX84  
Notes:  
Polarity: NPN  
Power Dissipation: .80

Tj: 200  
VCBO: 100  
VCEO: 60  
hFE min: 30  
hFE max:  
hFE A: 150  
VCE: .35  
VCE A: 150  
hfe:  
fT: 50  
Case Style: TO-205AD/TO-39:  
Industry Type: BFX84

STI Type: BFX80

Notes:  
Polarity: NPN/PNP  
Power Dissipation: .50  
VCEO: 45  
hFE min: 160  
hFE max:  
hFE A: 1.0  
Matching hFE:  
Matching VBE:  
Tracking:  
Case Style: TO-77  
Industry Type: BFX80

STI Type: BFX85

Notes:  
Polarity: NPN  
Power Dissipation: .80  
Tj: 200  
VCBO: 100  
VCEO: 60  
hFE min: 70  
hFE max:  
hFE A: 150  
VCE: 1.3  
VCE A: 150  
hfe: 25  
fT: 50  
Case Style: TO-205AD/TO-39:  
Industry Type: BFX85

STI Type: BFX88

Notes:  
Polarity: PNP  
Power Dissipation: .60  
Tj: 200  
VCBO: 40  
VCEO: 40  
hFE min: 40  
hFE max:  
hFE A: 150  
VCE: .40  
VCE A: 150  
hfe: 155  
fT: 100  
Case Style: TO-205AD/TO-39:  
Industry Type: BFX88

STI Type: BFX89

Notes:  
Polarity: NPN  
Power Dissipation: .20  
Tj: 200  
VCBO: 30

VCEO: 30  
hFE min: 20  
hFE max: 150  
hFE A: 2.0  
VCE:  
VCE A:  
hfe:  
fT: 1000  
Case Style: TO-206AF/TO-72:  
Industry Type: BFX89

STI Type: 2N5626  
Notes:  
Polarity: NPN  
Power Dissipation:  
Tj:  
VCEV:  
VCEO: 80  
hFE min: 70  
hFE max: 200  
hFE A: 5.0  
VCE: 5.0  
VCE A: 5.0  
fT:  
Case Style: TO-204AA/TO-3  
Industry Type: 2N5626

STI Type: BFX96  
Notes:  
Polarity: NPN  
Power Dissipation: .80  
Tj: 200  
VCBO: 60  
VCEO: 30  
hFE min: 40  
hFE max:  
hFE A: 150  
VCE:  
VCE A:  
hfe:  
fT: 250  
Case Style: TO-205AD/TO-39:  
Industry Type: BFX96

STI Type: BFY50  
Notes:  
Polarity: NPN  
Power Dissipation: .80  
Tj: 200  
VCBO: 80  
VCEO: 35  
hFE min: 30  
hFE max:  
hFE A: 150  
VCE: .20  
VCE A: 150  
hfe: 10  
fT: 60  
Case Style: TO-205AD/TO-39:  
Industry Type: BFY50

STI Type: BFX97  
Notes:  
Polarity: NPN  
Power Dissipation: .80  
Tj: 200  
VCBO: 60  
VCEO: 30



hFE min: 100  
hFE max:  
hFE A: 150  
VCE:  
VCE A:  
hfe:  
fT: 250  
Case Style: TO-205AD/TO-39:  
Industry Type: BFX97

STI Type: BFY51

Notes:  
Polarity: NPN  
Power Dissipation: 800m  
Tj: 200  
VCBO: 60  
VCEO: 30  
hFE min: 40  
hFE max:  
hFE A: 150m  
VCE: 350m  
VCE A: 150m  
hfe:  
fT: 50  
Case Style: TO-205AD/TO-39:  
Industry Type: BFY51

STI Type: BFY55

Notes:  
Polarity: NPN  
Power Dissipation: .80  
Tj: 200  
VCBO: 80  
VCEO: 35  
hFE min: 40  
hFE max: 120  
hFE A: 150  
VCE: 1.0  
VCE A: 1000  
hfe:  
fT: 60  
Case Style: TO-205AD/TO-39:  
Industry Type: BFY55

STI Type: BFY52

Notes:  
Polarity: NPN  
Power Dissipation: 800m  
Tj: 200  
VCBO: 40  
VCEO: 20  
hFE min: 60  
hFE max:  
hFE A: 150m  
VCE: 350m  
VCE A: 150m  
hfe:  
fT: 50 Min  
Case Style: :  
Industry Type: BFY52

STI Type: BFY64

Notes:  
Polarity: PNP  
Power Dissipation: 700m  
Tj:  
VCBO:

VCEO: 40  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-205AD/TO-39:  
Industry Type: BFY64

STI Type: BFY74

Notes:  
Polarity: NPN  
Power Dissipation: .36  
Tj: 200  
VCBO: 60  
VCEO: 45  
hFE min: 40  
hFE max: 180  
hFE A: 10  
VCE: 1.0  
VCE A: 10  
hfe:  
fT: 250  
Case Style: TO-206AA/TO-18:  
Industry Type: BFY74

STI Type: BFY70

Notes:  
Polarity: NPN  
Power Dissipation: .10  
Tj: 200  
VCBO: 60  
VCEO: 40  
hFE min: 10  
hFE max:  
hFE A: 500  
VCE:  
VCE A:  
hfe:  
fT: 210  
Case Style: TO-205AD/TO-39:  
Industry Type: BFY70

STI Type: BFY75

Notes:  
Polarity: NPN  
Power Dissipation: .36  
Tj: 200  
VCBO: 60  
VCEO: 45  
hFE min: 65  
hFE max: 300  
hFE A: 10  
VCE: 1.0  
VCE A: 10  
hfe:  
fT: 250  
Case Style: TO-206AA/TO-18:  
Industry Type: BFY75

STI Type: 2N5627

Notes:  
Polarity: PNP  
Power Dissipation:  
Tj:

VCEV:  
VCEO: 100  
hFE min: 30  
hFE max: 90  
hFE A: 5.0  
VCE: 1.50  
VCE A: 10  
fT: 40  
Case Style: TO-204AA/TO-3  
Industry Type: 2N5627

STI Type: BFY79

Notes:  
Polarity: NPN  
Power Dissipation: .30  
Tj: 200  
VCBO: 30  
VCEO: 30  
hFE min: 30  
hFE max:  
hFE A: 4.0  
VCE:  
VCE A:  
hfe:  
fT: 400  
Case Style: TO-206AF/TO-72:  
Industry Type: BFY79

STI Type: BFY82

Notes:  
Polarity: NPN  
Power Dissipation: .80  
VCEO: 45  
hFE min: 50  
hFE max:  
hFE A: 10  
Matching hFE: 1.25  
Matching VBE: 15  
Tracking: 25  
Case Style: TO-77  
Industry Type: BFY82

STI Type: BFY84

Notes:  
Polarity: NPN  
Power Dissipation: .38  
VCEO: 12  
hFE min: 20  
hFE max:  
hFE A: 3.0  
Matching hFE: 1.25  
Matching VBE: 15  
Tracking: 25  
Case Style: TO-77  
Industry Type: BFY84

STI Type: BFY90

Notes:  
Polarity: NPN  
Power Dissipation: .20  
Tj: 200  
VCBO: 30  
VCEO: 15  
hFE min: 20  
hFE max: 125  
hFE A: 25  
VCE:  
VCE A:

hfe:  
ft: 1300  
Case Style: TO-206AF/TO-72:  
Industry Type: BFY90

STI Type: BFY94  
Notes:  
Polarity: PNP  
Power Dissipation: 3.0  
Tj: 200  
VCBO:  
VCEO: 40  
hFE min: 40  
hFE max:  
hFE A: 0.1  
VCE: .40  
VCE A: 50  
hfe:  
ft: 100  
Case Style: TO-205AD/TO-39:  
Industry Type: BFY94

STI Type: BLX10  
Notes:  
Polarity: NPN  
Power Dissipation: 13  
VCEV:  
VCEO: 80  
ICEV:  
ICEV A:  
hFE: 20  
hFE A: 1.0  
VCE: 0.3  
VBE:  
IC: 0.8  
COB:  
ft: 10  
Case Style: TO-205AD/TO-39:  
Industry Type: BLX10

STI Type: BLX40  
Notes:  
Polarity: PNP  
Power Dissipation: 13  
Tj: 200  
VCBO: 80  
VCEO: 80  
hFE min: 30  
hFE max: 120  
hFE A: 1.0  
VCE: .50  
VCE A: .80  
hfe:  
ft: 20  
Case Style: TO-205AD/TO-39:  
Industry Type: BLX40

STI Type: BLX41  
Notes:  
Polarity: PNP  
Power Dissipation: 13  
Tj: 200  
VCBO: 100  
VCEO: 100  
hFE min: 30  
hFE max: 120  
hFE A: 1.0

VCE: .50  
VCE A: .80  
hfe:  
fT: 20  
Case Style: TO-205AD/TO-39:  
Industry Type: BLX41

STI Type: BLX42

Notes:  
Polarity: PNP  
Power Dissipation: 13  
Tj: 200  
VCBO: 120  
VCEO: 120  
hFE min: 30  
hFE max: 120  
hFE A: 1.0  
VCE: .50  
VCE A: .80  
hfe:  
fT: 20  
Case Style: TO-205AD/TO-39:  
Industry Type: BLX42

STI Type: BLX47

Notes:  
Polarity: PNP  
Power Dissipation: 18  
Tj: 200  
VCBO: 100  
VCEO: 100  
hFE min: 30  
hFE max: 120  
hFE A: 2.0  
VCE: .80  
VCE A: 2.0  
hfe:  
fT: 20  
Case Style: TO-205AD/TO-39:  
Industry Type: BLX47

STI Type: 2N5628

Notes:  
Polarity: NPN  
Power Dissipation:  
Tj:  
VCEV:  
VCEO: 100  
hFE min: 30  
hFE max: 90  
hFE A: 5.0  
VCE: 5.0  
VCE A: 5.0  
fT:  
Case Style: TO-204AA/TO-3  
Industry Type: 2N5628

STI Type: BLX48

Notes:  
Polarity: PNP  
Power Dissipation: 18  
Tj: 200  
VCBO: 120  
VCEO: 120  
hFE min: 30  
hFE max: 120  
hFE A: 2.0  
VCE: .80

VCE A: 2.0  
hfe:  
ft: 20  
Case Style: TO-205AD/TO-39:  
Industry Type: BLX48

STI Type: BLX82  
Notes:  
Polarity: PNP  
Power Dissipation: 175  
Tj: 200  
VCEV:  
VCEO: 60  
hFE min: 30  
hFE max: 150  
hFE A: 5.0  
VCE: .75  
VCE A: 5.0  
ft: 20  
Case Style: TO-204AA/TO-3  
Industry Type: BLX82

STI Type: BLY49A  
Notes:  
Polarity: NPN  
Power Dissipation: 40  
VCEV:  
VCEO: 150  
ICEV:  
ICEV A:  
hFE: 30  
hFE A: 1.0  
VCE:  
VBE:  
IC:  
COB:  
ft: 15  
Case Style: TO-213AA/TO-66:  
Industry Type: BLY49A

STI Type: BLY50A  
Notes:  
Polarity: NPN  
Power Dissipation: 40  
VCEV:  
VCEO: 150  
ICEV:  
ICEV A:  
hFE: 60  
hFE A: 1.0  
VCE:  
VBE:  
IC:  
COB:  
ft: 15  
Case Style: TO-213AA/TO-66:  
Industry Type: BLY50A

STI Type: BSS44  
Notes:  
Polarity: PNP  
Power Dissipation: 5.0  
Tj: 200  
VCEV: 65  
VCEO: 60  
hFE min: 40  
hFE max:  
hFE A: 2.0

VCE: 0.1  
VCE A: 0.5  
fT: 80  
Case Style: TO-205AD/TO-39  
Industry Type: BSS44

STI Type: BSS72

Notes:  
Polarity: NPN  
Power Dissipation: 2.5  
VCBO: 250  
VCER:  
ICBO:  
ICBO A:  
hFE: 50  
hFE A: 10  
VCE: 0.15  
VBE: 0.7  
IC: 10  
COB: 3.5  
fT: 200  
Case Style: TO-206AA/TO-18  
Industry Type: BSS72

STI Type: BSS71

Notes:  
Polarity: NPN  
Power Dissipation: 2.5  
VCBO: 200  
VCER:  
ICBO:  
ICBO A:  
hFE: 50  
hFE A: 10  
VCE: 0.15  
VBE: 0.7  
IC: 10  
COB: 3.5  
fT: 200  
Case Style: TO-206AA/TO-18  
Industry Type: BSS71

STI Type: BSS73

Notes: \*BVCEO  
Polarity: NPN  
Power Dissipation: 2.5  
VCBO: 300  
VCER: 300\*  
ICBO: 250  
ICBO A: .05  
hFE: 50  
hFE A: 10  
VCE: 0.03  
VBE: 0.8  
IC: 10  
COB: 3.5  
fT: 200  
Case Style: TO-206AA/TO-18  
Industry Type: BSS73

STI Type: BSS75

Notes: \*BVCEO  
Polarity: PNP  
Power Dissipation: 2.5  
VCBO: 250  
VCER: 250\*  
ICBO: 50  
ICBO A: .05

hFE: 35  
hFE A: 30M  
VCE: 10V  
VBE: 1.0V  
IC: 30M  
COB: 3.5  
fT: 20  
Case Style: TO-206AA/TO-18  
Industry Type: BSS75

STI Type: BSS74

Notes:  
Polarity: PNP  
Power Dissipation: 0.5  
Tj: 200  
VCBO: 200  
VCEO: 200  
hFE min: 35  
hFE max: 150  
hFE A: 30  
VCE: ,25  
VCE A: 30  
hfe:  
fT: 50  
Case Style: TO-206AA/TO-18:  
Industry Type: BSS74

STI Type: 2N2060ADIE  
Industry Type: 2C2060A  
V CEO: 60  
ICBO ICEX:  
h FE: 30  
IC: .10m  
V CE:  
Case Style:

STI Type: 2N2913DIE  
Industry Type: 2C2913  
V CEO: 45  
ICBO ICEX:  
h FE: 60  
IC:  
V CE:  
Case Style:

STI Type: 2N5629  
Notes: \*BVCEO  
Polarity: NPN  
Power Dissipation: 200  
Tj: 200  
VCEV: 100\*  
VCEO: 100  
hFE min: 25  
hFE max: 100  
hFE A: 8.0  
VCE: 1.0  
VCE A: 8.0  
fT: 1.0  
Case Style: TO-204AA/TO-3  
Industry Type: 2N5629

STI Type: BSS76

Notes:  
Polarity: PNP  
Power Dissipation: 2.5  
VCBO: 300  
VCER: 300  
ICBO: 50  
ICBO A: 200v



hFE: 35  
hFE A: 30m  
VCE: 0.40  
VBE: 200v  
IC: 500  
COB: 3.5  
fT: 200  
Case Style: TO-206AA/TO-18  
Industry Type: BSS76

STI Type: BSS78

Notes:  
Polarity: NPN  
Power Dissipation:  
VCBO: 250

VCER:  
ICBO:  
ICBO A: 500mA

hFE: 40  
hFE A: 30mA  
VCE: 0.4

VBE:  
IC: 30

COB:  
fT: 70  
Case Style: TO-205AD/TO-39  
Industry Type: BSS78

STI Type: BSS77

Notes:  
Polarity: PNP  
Power Dissipation: .50  
Tj: 200

VCBO:  
VCEO: 200  
hFE min: 40  
hFE max: 250  
hFE A: 30

VCE:  
VCE A:

hfe:  
fT: 50  
Case Style: TO-206AA/TO-18:  
Industry Type: BSS77

STI Type: BSV15

Notes:  
Polarity: PNP  
Power Dissipation: 7.0  
Tj: 200

VCBO: 40  
VCEO: 40  
hFE min: 63  
hFE max: 250  
hFE A: 100

VCE: 1.0  
VCE A: 500

hfe: 20  
fT: 50  
Case Style: TO-205AD/TO-39:  
Industry Type: BSV15

STI Type: BSV15-16

Notes:  
Polarity: PNP  
Power Dissipation: 7.0  
Tj: 200

VCBO: 40  
VCEO: 40  
hFE min: 100  
hFE max: 250  
hFE A: 100  
VCE: 1.0  
VCE A: 500  
hfe: 20  
fT: 50  
Case Style: TO-205AD/TO-39:  
Industry Type: BSV15-16

STI Type: BSV15-10

Notes:  
Polarity: PNP  
Power Dissipation: 7.0  
Tj: 200  
VCBO: 40  
VCEO: 40  
hFE min: 63  
hFE max: 160  
hFE A: 100  
VCE: 1.0  
VCE A: 500  
hfe: 20  
fT: 50  
Case Style: TO-205AD/TO-39:  
Industry Type: BSV15-10

STI Type: BSV15-6

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
Tj: 200  
VCBO: 40  
VCEO: 40  
hFE min: 40  
hFE max: 100  
hFE A: 100  
VCE: 1.0  
VCE A: 500  
hfe: 20  
fT: 50  
Case Style: TO-205AD/TO-39:  
Industry Type: BSV15-6

STI Type: BSV16-10

Notes:  
Polarity: PNP  
Power Dissipation: 7.0  
Tj: 200  
VCBO: 60  
VCEO: 60  
hFE min: 63  
hFE max: 160  
hFE A: 100  
VCE: 1.0  
VCE A: 500  
hfe: 20  
fT: 50  
Case Style: TO-205AD/TO-39:  
Industry Type: BSV16-10

STI Type: BSV16

Notes:  
Polarity: PNP  
Power Dissipation: 7.0

Tj: 200  
VCBO: 60  
VCEO: 60  
hFE min: 63  
hFE max: 250  
hFE A: 100  
VCE: 1.0  
VCE A: 500  
hfe: 20  
fT: 50  
Case Style: TO-205AD/TO-39:  
Industry Type: BSV16

STI Type: BSV16-16

Notes:  
Polarity: PNP  
Power Dissipation: 7.0  
Tj: 200  
VCBO: 60  
VCEO: 60  
hFE min: 100  
hFE max: 250  
hFE A: 100  
VCE: 1.0  
VCE A: 500  
hfe: 20  
fT: 50  
Case Style: TO-205AD/TO-39:  
Industry Type: BSV16-16

STI Type: 2N5630

Notes: \*BVCBO  
Polarity: NPN  
Power Dissipation: 200  
Tj: 200  
VCEV: 120\*  
VCEO: 120  
hFE min: 20  
hFE max: 80  
hFE A: 8.0  
VCE: 1.0  
VCE A: 8.0  
fT: 1.0  
Case Style: TO-204AA/TO-3  
Industry Type: 2N5630

STI Type: BSV60

Notes:  
Polarity: NPN  
Power Dissipation: 6.2  
Tj:  
VCEV:  
VCEO: 40  
hFE min: 40  
hFE max: 120  
hFE A: 2.0  
VCE:  
VCE A:  
fT: 50m  
Case Style: TO-205AD/TO-39  
Industry Type: BSV60

STI Type: BSV16-6

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
Tj: 200  
VCBO: 60  
VCEO: 60

hFE min: 40  
hFE max: 100  
hFE A: 100  
VCE: 1.0  
VCE A: 500  
hfe: 20  
fT: 50  
Case Style: TO-205AD/TO-39:  
Industry Type: BSV16-6

STI Type: BSV64

Notes:  
Polarity: NPN  
Power Dissipation: 0.87  
Tj: 175  
VCBO: 100  
VCEO: 60  
hFE min: 25  
hFE max:  
hFE A: 5.0  
VCE: 1.0  
VCE A: 5.0  
hfe:  
fT: 70  
Case Style: TO-205AD/TO-39:  
Industry Type: BSV64

STI Type: BSV82

Notes:  
Polarity: PNP  
Power Dissipation: 10  
Tj: 200  
VCBO:  
VCEO: 80  
hFE min: 30  
hFE max:  
hFE A: 150  
VCE: .50  
VCE A: .50  
hfe:  
fT: 120  
Case Style: TO-205AD/TO-39:  
Industry Type: BSV82

STI Type: BSW66

Notes:  
Polarity: NPN  
Power Dissipation: .80  
Tj: 200  
VCBO: 100  
VCEO: 100  
hFE min: 40  
hFE max:  
hFE A: 100  
VCE: 1.0  
VCE A: 1000  
hfe:  
fT: 80  
Case Style: TO-205AD/TO-39:  
Industry Type: BSW66

STI Type: 2N3424

Notes:  
Polarity: NPN  
Power Dissipation: .60  
VCEO: 15  
hFE min: 20

hFE max:  
hFE A: 3.0  
Matching hFE: 10  
Matching VBE: 5.0  
Tracking: 2.0  
Case Style: TO-78  
Industry Type: 2N3424

STI Type: 2N3425

Notes:  
Polarity: NPN  
Power Dissipation: .60  
VCEO: 15  
hFE min: 30  
hFE max:  
hFE A: 10  
Matching hFE:  
Matching VBE:  
Tracking:  
Case Style: TO-78  
Industry Type: 2N3425

STI Type: 2N3435

Notes:  
Polarity: NPN  
Power Dissipation:  
Tj:  
VCBO:  
VCEO: 60  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3435

STI Type: 2N3439

Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 450  
VCER: 450  
ICBO: 450  
ICBO A: 500  
hFE: 40  
hFE A: 20  
VCE: .50  
VBE: 1.3  
IC: 50  
COB: 10  
fT: 15  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3439

STI Type: 2N3439A

Notes: \*BVCEO  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 450  
VCER: 350\*  
ICBO:  
ICBO A:  
hFE: 40  
hFE A: 20

VCE:  
VBE:  
IC:  
COB:  
fT: 15  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3439A

STI Type: 2N5631  
Notes: \*BVCBO  
Polarity: NPN  
Power Dissipation: 200  
Tj: 200  
VCEV: 140\*  
VCEO: 140  
hFE min: 15  
hFE max: 60  
hFE A: 8.0  
VCE: 1.0  
VCE A: 8.0  
fT: 1.0  
Case Style: TO-204AA/TO-3  
Industry Type: 2N5631

STI Type: 2N3439L  
Notes: \*BVCEO  
Polarity: NPN  
Power Dissipation: .80  
VCBO: 450  
VCER: 350\*  
ICBO:  
ICBO A:  
hFE: 40  
hFE A: 20  
VCE:  
VBE:  
IC:  
COB:  
fT:  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3439L

STI Type: 2N3440  
Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 350  
VCER: 350  
ICBO: 300  
ICBO A: 500  
hFE: 40  
hFE A: 20  
VCE: .50  
VBE: 1.3  
IC: 50  
COB: 10  
fT: 15  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3440

STI Type: 2N3439S  
Notes: \*BVCEO  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 450  
VCER: 350\*  
ICBO:  
ICBO A:

hFE: 40  
hFE A: 20  
VCE:  
VBE:  
IC:  
COB:  
fT: 15  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3439S

STI Type: 2N3440A  
Notes: \*BVCEO  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 300  
VCER: 250\*  
ICBO:  
ICBO A:  
hFE: 40  
hFE A: 20  
VCE:  
VBE:  
IC:  
COB:  
fT: 15  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3440A

STI Type: 2N3440S  
Notes: \*BVCEO  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 300  
VCER: 250\*  
ICBO:  
ICBO A:  
hFE: 40  
hFE A: 20  
VCE:  
VBE:  
IC:  
COB:  
fT: 15  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3440S

STI Type: 2N3440L  
Notes: \*BVCEO  
Polarity: NPN  
Power Dissipation: .80  
VCBO: 300  
VCER: 250\*  
ICBO:  
ICBO A:  
hFE: 40  
hFE A: 20  
VCE:  
VBE:  
IC:  
COB:  
fT:  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3440L

STI Type: 2N3441  
Notes: \*BVCEO  
Polarity: NPN

Power Dissipation: 25  
Tj: 200  
VCEV: 160\*  
VCEO: 140  
hFE min: 20  
hFE max: 100  
hFE A: .50  
VCE: 1.0  
VCE A: .50  
fT: .20  
Case Style: TO-213AA/TO-66  
Industry Type: 2N3441

STI Type: 2N3445

Notes:

Polarity: NPN  
Power Dissipation: 115

Tj:  
VCEV:  
VCEO: 60  
hFE min: 20  
hFE max: 60  
hFE A: 3.0

VCE:  
VCE A:

fT:  
Case Style: TO-204AA/TO-3  
Industry Type: 2N3445

STI Type: 2N3442

Notes: \*BVCBO

Polarity: NPN  
Power Dissipation: 117

Tj: 200  
VCEV: 160\*  
VCEO: 140  
hFE min: 20  
hFE max: 70  
hFE A: 3.0

VCE: 1.0  
VCE A: 3.0

fT: .08  
Case Style: TO-204AA/TO-3  
Industry Type: 2N3442

STI Type: 2N3446

Notes:

Polarity: NPN  
Power Dissipation: 115

Tj:  
VCEV:  
VCEO: 80  
hFE min: 20  
hFE max: 60  
hFE A: 3.0

VCE:  
VCE A:

fT:  
Case Style: TO-204AA/TO-3  
Industry Type: 2N3446

STI Type: 2N5632

Notes: \*BVCBO

Polarity: NPN  
Power Dissipation: 150

Tj: 200  
VCEV: 100\*  
VCEO: 100  
hFE min: 25  
hFE max: 100  
hFE A: 5.0



VCE: 1.0  
VCE A: 5  
fT: 1.0  
Case Style: TO-204AA/TO-3  
Industry Type: 2N5632

STI Type: 2N3447  
Notes:  
Polarity: NPN  
Power Dissipation: 115  
Tj:  
VCEV:  
VCEO: 60  
hFE min: 40  
hFE max: 120  
hFE A: 3.0  
VCE:  
VCE A:  
fT:  
Case Style: TO-204AA/TO-3  
Industry Type: 2N3447

STI Type: 2N3448  
Notes: \*BVCBO  
Polarity: NPN  
Power Dissipation: 115  
Tj: 200  
VCEV: 100\*  
VCEO: 80  
hFE min: 40  
hFE max: 120  
hFE A: 5.0  
VCE: 1.5  
VCE A: 5.0  
fT: 10  
Case Style: TO-204AA/TO-3  
Industry Type: 2N3448

STI Type: 2N3450  
Notes:  
Polarity: NPN  
Power Dissipation:  
Tj:  
VCBO:  
VCEO: 60  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3450

STI Type: 2N3467  
Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO: 40  
VCER: 40  
ICBO:  
ICBO ua:  
hFE: 40  
hFE A: .5  
VCE: .35  
VBE: 1.0  
IC A: 50  
COB: 25  
fT: 175

Case Style: TO-205AD/TO-39  
Industry Type: 2N3467

STI Type: 2N3467L

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO: 40  
VCER:  
ICBO:  
ICBO ua:  
hFE: 40  
hFE A: 500M  
VCE:  
VBE:  
IC A:  
COB:  
fT: 175  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3467L

STI Type: 2N3468

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO: 50  
VCER:  
ICBO:  
ICBO ua:  
hFE: 25  
hFE A: .5  
VCE:  
VBE:  
IC A:  
COB: 25  
fT: 150  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3468

STI Type: 2N3469

Notes:  
Polarity: NPN  
Power Dissipation: 1.25  
VCBO: 25  
VCER:  
ICBO:  
ICBO ua:  
hFE: 100  
hFE A: .5  
VCE:  
VBE:  
IC A:  
COB: 150  
fT: 20  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3469

STI Type: 2N3468L

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO: 50  
VCER:  
ICBO:  
ICBO ua:  
hFE: 25  
hFE A: 500M

VCE:  
VBE:  
IC A:  
COB: 10  
fT: 150  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3468L

STI Type: 2N3478

Notes:  
Polarity: NPN  
Power Dissipation: 200m  
Tj: 200  
VCBO: 30  
VCEO: 15  
hFE min: 25  
hFE max: 150  
hFE A: 2.0m  
VCE:  
VCE A:  
hfe: 7.5 Min  
fT:  
Case Style: TO-206AF/TO-72:  
Industry Type: 2N3478

STI Type: 2N3495

Notes:  
Polarity: PNP  
Power Dissipation: .60  
Tj: 200  
VCBO: 120  
VCEO: 120  
hFE min: 35  
hFE max:  
hFE A: 100m  
VCE: .35  
VCE A: 10m  
hfe: 40  
fT: 150  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3495

STI Type: 2N5633

Notes: \*BVCBO  
Polarity: NPN  
Power Dissipation: 150  
Tj: 200  
VCEV: 120\*  
VCEO: 120  
hFE min: 20  
hFE max: 80  
hFE A: 5.0  
VCE: 1.0  
VCE A: 5  
fT: 1.0  
Case Style: TO-204AA/TO-3  
Industry Type: 2N5633

STI Type: 2N3494

Notes:  
Polarity: PNP  
Power Dissipation:  
Tj:  
VCBO: 80  
VCEO: 80  
hFE min: 40  
hFE max:  
hFE A: 10

VCE: 0.30  
VCE A: 10  
hfe:  
fT: 200  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3494

STI Type: 2N3496  
Notes:  
Polarity: PNP  
Power Dissipation:  
Tj:  
VCBO: 80  
VCEO: 80  
hFE min: 40  
hFE max:  
hFE A: 10  
VCE: 0.3  
VCE A: 10  
hfe:  
fT: 200  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3496

STI Type: 2N3498  
Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
Tj: 200  
VCBO: 100  
VCEO: 100  
hFE min: 40  
hFE max: 120  
hFE A: 150m  
VCE: .20  
VCE A: 10m  
hfe: 50  
fT: 100  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3498

STI Type: 2N3497  
Notes:  
Polarity: PNP  
Power Dissipation: .40  
Tj: 200  
VCBO: 120  
VCEO: 120  
hFE min: 35  
hFE max:  
hFE A: 100m  
VCE: .35  
VCE A: 10m  
hfe: 40  
fT: 150  
Case Style: TO-206AA/TO-18:  
Industry Type: 2N3497

STI Type: 2N3498L  
Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 100  
VCER:  
ICBO:  
ICBO ua:  
hFE: 40

hFE A: 150M  
VCE:  
VBE:  
IC A:  
COB:  
fT:  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3498L

STI Type: 2N3499L  
Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 100  
VCER:  
ICBO:  
ICBO ua:  
hFE: 100  
hFE A: 150M  
VCE:  
VBE:  
IC A:  
COB:  
fT:  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3499L

STI Type: 2N3499  
Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
Tj: 200  
VCBO: 100  
VCEO: 100  
hFE min: 100  
hFE max: 300  
hFE A: 150m  
VCE: .20  
VCE A: 10m  
hfe: 75  
fT: 100  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3499

STI Type: 2N3501  
Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 150  
VCER: 150  
ICBO: 75  
ICBO A: .05  
hFE: 20  
hFE A: 300  
VCE: .40  
VBE: 1.2  
IC: 150  
COB: 8.0  
fT: 150  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3501

STI Type: 2N3500L  
Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 150

VCER:  
ICBO:  
ICBO A:  
hFE: 40  
hFE A: 150M  
VCE:  
VBE:  
IC:  
COB:  
fT:  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3500L

STI Type: 2N3500

Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 150  
VCER: 150  
ICBO: 75  
ICBO A: .05  
hFE: 15  
hFE A: 300  
VCE: .40  
VBE: 1.2  
IC: 150  
COB: 8.0  
fT: 150  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3500

STI Type: 2N5634

Notes: \*BVCBO  
Polarity: NPN  
Power Dissipation: 150  
Tj: 200  
VCEV: 140\*  
VCEO: 140  
hFE min: 15  
hFE max: 60  
hFE A: 5.0  
VCE: 1.0  
VCE A: 5.0  
fT: 1.0  
Case Style: TO-204AA/TO-3  
Industry Type: 2N5634

STI Type: 2N3501L

Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO:  
VCER: 150  
ICBO:  
ICBO A: 0.3  
hFE: 100  
hFE A: 150mA  
VCE:  
VBE:  
IC:  
COB: 8.0  
fT: 150  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3501L

STI Type: 2N3503

Notes:  
Polarity: PNP

Power Dissipation:  
Tj:  
VCBO:  
VCEO: 60  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3503

STI Type: 2N3502

Notes:  
Polarity: PNP  
Power Dissipation:  
Tj:  
VCBO:  
VCEO: 45  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3502

STI Type: 2N3504

Notes:  
Polarity: PNP  
Power Dissipation:  
Tj:  
VCBO:  
VCEO: 45  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AA/TO-18:  
Industry Type: 2N3504

STI Type: 2N3505

Notes:  
Polarity: PNP  
Power Dissipation:  
Tj:  
VCBO:  
VCEO: 60  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AA/TO-18:  
Industry Type: 2N3505

STI Type: 2N3507

Notes:

Polarity: NPN  
Power Dissipation: 5.0  
Tj: 200  
VCBO: 80  
VCEO: 50  
hFE min: 30  
hFE max: 150  
hFE A: 1.5m  
VCE: .50  
VCE A: 500m  
hfe:  
fT: 60  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3507

STI Type: 2N3513  
Notes:  
Polarity: NPN  
Power Dissipation: .50  
VCEO: 40  
hFE min: 50  
hFE max:  
hFE A: 1.0  
Matching hFE: 20  
Matching VBE: 5.0  
Tracking: 15  
Case Style: TO-71  
Industry Type: 2N3513

STI Type: 2N3516  
Notes:  
Polarity: NPN  
Power Dissipation: .50  
VCEO: 60  
hFE min: 50  
hFE max:  
hFE A: 1.0  
Matching hFE: 10  
Matching VBE: 3.0  
Tracking: 10  
Case Style: TO-71  
Industry Type: 2N3516

STI Type: 2N3506  
Notes:  
Polarity: NPN  
Power Dissipation: 5.0  
Tj: 200  
VCBO: 60  
VCEO: 40  
hFE min: 40  
hFE max: 200  
hFE A: 1.5m  
VCE: .50  
VCE A: 500m  
hfe:  
fT: 60  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3506

STI Type: 2N3521  
Notes:  
Polarity: NPN  
Power Dissipation: .60  
VCEO: 55  
hFE min: 100  
hFE max:



hFE A: .01  
Matching hFE: 20  
Matching VBE: 5.0  
Tracking: 15  
Case Style: TO-78  
Industry Type: 2N3521

STI Type: 2N5650

Notes:  
Polarity: NPN  
Power Dissipation: .15  
Tj: 200  
VCBO: 15  
VCEO: 15  
hFE min: 30  
hFE max:  
hFE A: 3.0m  
VCE:  
VCE A:  
hfe:  
fT: 2000  
Case Style: TO-206AF/TO-72:  
Industry Type: 2N5650

STI Type: 2N3522

Notes:  
Polarity: NPN  
Power Dissipation: .50  
VCEO: 55  
hFE min: 100  
hFE max:  
hFE A: .01  
Matching hFE: 10  
Matching VBE: 3.0  
Tracking: 10  
Case Style: TO-71  
Industry Type: 2N3522

STI Type: 2N3544

Notes:  
Polarity: NPN  
Power Dissipation:  
Tj:  
VCBO: 25  
VCEO:  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AA/TO-18:  
Industry Type: 2N3544

STI Type: 2N3545

Notes:  
Polarity:  
Power Dissipation: PNP  
Tj:  
VCBO:  
VCEO: 20  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:

hfe:  
fT:  
Case Style: TO-225AA (TO-126):  
Industry Type: 2N3545

STI Type: 2N3548

Notes:  
Polarity: PNP  
Power Dissipation:

Tj:  
VCBO:  
VCEO: 45  
hFE min:  
hFE max:  
hFE A:

VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AA/TO-18:  
Industry Type: 2N3548

STI Type: 2N3547

Notes:  
Polarity: PNP  
Power Dissipation:

Tj:  
VCBO:  
VCEO: 60  
hFE min:  
hFE max:  
hFE A:

VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AA/TO-18:  
Industry Type: 2N3547

STI Type: 2N3549

Notes:  
Polarity: PNP  
Power Dissipation:

Tj:  
VCBO:  
VCEO: 60  
hFE min:  
hFE max:  
hFE A:

VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AA/TO-18:  
Industry Type: 2N3549

STI Type: 2N3550

Notes:  
Polarity: PNP  
Power Dissipation:

Tj:  
VCBO:  
VCEO: 45  
hFE min:  
hFE max:  
hFE A:

VCE:

VCE A:  
hfe:  
fT:  
Case Style: TO-206AA/TO-18:  
Industry Type: 2N3550

STI Type: 2N3553  
Notes:  
Polarity: NPN  
Power Dissipation: 7.0 TOTAL  
Tj:  
VCBO:  
VCEO: 40  
hFE min: 15  
hFE max: 200  
hFE A: 125 mA  
VCE:  
VCE A:  
hfe:  
fT: 500 TYP  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3553 IN STOCK

STI Type: 2N3570  
Notes:  
Polarity: NPN  
Power Dissipation:  
Tj: 200  
VCBO: 30  
VCEO: 15  
hFE min: 20  
hFE max: 150  
hFE A: 5m  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AF/TO-72:  
Industry Type: 2N3570

STI Type: 2N3571  
Notes:  
Polarity: NPN  
Power Dissipation: .20  
Tj: 200  
VCBO: 25  
VCEO: 15  
hFE min: 20  
hFE max: 200  
hFE A: 5.0m  
VCE:  
VCE A:  
hfe:  
fT: 1200  
Case Style: TO-206AF/TO-72:  
Industry Type: 2N3571

STI Type: 2N5651  
Notes:  
Polarity: NPN  
Power Dissipation: .15  
Tj: 200  
VCBO: 15  
VCEO: 15  
hFE min: 30  
hFE max:  
hFE A: 3.0m

VCE:  
VCE A:  
hfe:  
fT: 2000  
Case Style: TO-206AF/TO-72:  
Industry Type: 2N5651

STI Type: 2N3572  
Notes:  
Polarity: NPN  
Power Dissipation: 350m  
Tj: 200  
VCBO: 25  
VCEO: 13  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT: 6.0  
Case Style: TO-206AF/TO-72:  
Industry Type: 2N3572

STI Type: 2N3576  
Notes:  
Polarity: PNP  
Power Dissipation:  
Tj:  
VCBO:  
VCEO: 20  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AA/TO-18:  
Industry Type: 2N3576

STI Type: 2N3583  
Notes: \*BVCEO  
Polarity: NPN  
Power Dissipation: 35  
VCBO: 250  
VCER: 175\*  
ICBO: 225  
ICBO A: 1000  
hFE: 40  
hFE A: .10  
VCE: 5.0  
VBE: 1.4  
IC: 1.0  
COB: 120  
fT: 10  
Case Style: TO-213AA/TO-66  
Industry Type: 2N3583

STI Type: 2N3584  
Notes: \*BVCEO  
Polarity: NPN  
Power Dissipation: 35  
VCBO: 375  
VCER: 250\*  
ICBO: 340  
ICBO A: 1000

hFE: 40  
hFE A: .10  
VCE: .75  
VBE: 1.4  
IC: 1.0  
COB: 120  
fT: 10  
Case Style: TO-213AA/TO-66  
Industry Type: 2N3584

STI Type: 2N3585  
Notes: \*BVCEO  
Polarity: NPN  
Power Dissipation: 35  
VCBO: 500  
VCER: 300\*  
ICBO: 450  
ICBO A: 1000  
hFE: 40  
hFE A: .10  
VCE: .75  
VBE: 1.4  
IC: 1.0  
COB: 120  
fT: 10  
Case Style: TO-213AA/TO-66  
Industry Type: 2N3585

STI Type: 2N3587  
Notes:  
Polarity: NPN  
Power Dissipation: .60  
VCEO: 45  
hFE min: 80  
hFE max:  
hFE A: 1.0  
Matching hFE: 20  
Matching VBE: 20  
Tracking: 15  
Case Style: TO-78  
Industry Type: 2N3587

STI Type: 2N3589  
Notes:  
Polarity: NPN  
Power Dissipation: 2.0  
VCBO: 200  
VCER: 200  
ICBO: 110  
ICBO A: 1.5  
hFE: 30  
hFE A: 200  
VCE: 1.5  
VBE: 1.1  
IC: 200  
COB: 30  
fT: 15  
Case Style: MD14  
Industry Type: 2N3589

STI Type: 2N3590  
Notes:  
Polarity: NPN  
Power Dissipation: 2.0  
VCBO: 200  
VCER: 200  
ICBO: 110

ICBO A: 1.5  
hFE: 75  
hFE A: 200  
VCE: 1.5  
VBE: 1.1  
IC: 200  
COB: 30  
fT: 15  
Case Style: MD14  
Industry Type: 2N3590

STI Type: 2N3591

Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 200  
VCER: 200  
ICBO: 150  
ICBO A: 1.0  
hFE: 30  
hFE A: 200  
VCE: .50  
VBE: 1.3  
IC: 50  
COB: 30  
fT: 15  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3591

STI Type: 2N3592

Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 200  
VCER: 200  
ICBO: 150  
ICBO A: 1.0  
hFE: 75  
hFE A: 200  
VCE: .50  
VBE: 1.3  
IC: 50  
COB: 30  
fT: 15  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3592

STI Type: 2N5652

Notes:  
Polarity: NPN  
Power Dissipation: .15  
Tj: 200  
VCBO: 15  
VCEO: 15  
hFE min: 30  
hFE max:  
hFE A: 3.0m  
VCE:  
VCE A:  
hfe:  
fT: 2000  
Case Style: TO-206AF/TO-72:  
Industry Type: 2N5652

STI Type: 2N3593

Notes:  
Polarity: NPN

Power Dissipation: 1.0  
Tj:  
VCBO: 200  
VCEO: 200  
hFE min: 30  
hFE max:  
hFE A: 200m  
VCE: 2.0  
VCE A: 200m  
hfe:  
fT: 15  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3593

STI Type: 2N3594

Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
Tj:  
VCBO: 200  
VCEO: 200  
hFE min: 75  
hFE max:  
hFE A: 200  
VCE: 2.0  
VCE A: 200  
hfe:  
fT: 15  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3594

STI Type: 2N3595

Notes:  
Polarity: NPN  
Power Dissipation: 1.5  
Tj:  
VCBO: 200  
VCEO: 150  
hFE min: 30  
hFE max:  
hFE A: 200m  
VCE: 2.0  
VCE A: 200m  
hfe:  
fT: 15  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3595

STI Type: 2N3596

Notes:  
Polarity: NPN  
Power Dissipation: 1.5  
Tj:  
VCBO: 200  
VCEO: 150  
hFE min: 75  
hFE max:  
hFE A: 200m  
VCE: 2.0  
VCE A: 200m  
hfe:  
fT: 15  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3596

STI Type: 2N3600

Notes:

Polarity: NPN  
Power Dissipation:  
Tj:  
VCBO: 30  
VCEO:  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AF/TO-72:  
Industry Type: 2N3600

STI Type: 2N3619

Notes:  
Polarity: NPN  
Power Dissipation: 7.5  
Tj: 200  
VCBO: 75  
VCEO: 40  
hFE min: 40  
hFE max:  
hFE A: 1.0  
VCE: .75  
VCE A: 1.0  
hfe:  
fT: 60  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3619

STI Type: 2N3620

Notes:  
Polarity: NPN  
Power Dissipation: 7.5  
Tj: 200  
VCBO: 75  
VCEO: 40  
hFE min: 40  
hFE max:  
hFE A: 1000  
VCE:  
VCE A:  
hfe:  
fT: 200  
Case Style: MT27:  
Industry Type: 2N3620

STI Type: 2N3623

Notes:  
Polarity: NPN  
Power Dissipation: 7.5  
Tj: 200  
VCBO: 75  
VCEO: 40  
hFE min: 40  
hFE max:  
hFE A: 1.0  
VCE: .75  
VCE A: 1.0  
hfe:  
fT: 60  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3623

STI Type: 2N3624



Notes:  
Polarity: NPN  
Power Dissipation: 7.5  
Tj: 200  
VCBO: 75  
VCEO: 40  
hFE min: 40  
hFE max:  
hFE A: 1.0  
VCE:  
VCE A:  
hfe:  
fT: 20  
Case Style: MT27:  
Industry Type: 2N3624

STI Type: 2N3634

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
Tj: 200  
VCBO: 140  
VCEO: 140  
hFE min: 50  
hFE max: 150  
hFE A: 50m  
VCE: .30  
VCE A: 10m  
hfe: 160  
fT: 150  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3634

STI Type: 2N5655

Notes:  
Polarity: NPN  
Power Dissipation: 20  
VCEV: 275  
VCEO: 250  
ICEV: 250  
ICEV A: .10  
hFE: 30  
hFE A: .10  
VCE: 1.0  
VBE: 1.0  
IC: .10  
COB: 25  
fT: 10  
Case Style: TO-225AA/TO-126:  
Industry Type: 2N5655

STI Type: 2N3634L

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO: 140  
VCER:  
ICBO:  
ICBO ua:  
hFE: 50  
hFE A: 50MA  
VCE:  
VBE:  
IC A:  
COB:  
fT:  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3634L

STI Type: 2N3635L  
Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO: 140  
VCER:  
ICBO:  
ICBO ua:  
hFE: 100  
hFE A: 300  
VCE:  
VBE:  
IC A:  
COB:  
fT:  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3635L

STI Type: 2N3635  
Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
Tj: 200  
VCBO: 140  
VCEO: 140  
hFE min: 100  
hFE max: 300  
hFE A: 50m  
VCE: .30  
VCE A: 10m  
hfe: 320  
fT: 200  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3635

STI Type: 2N3636  
Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
Tj: 200  
VCBO: 175  
VCEO: 175  
hFE min: 50  
hFE max: 150  
hFE A: 50m  
VCE: .30  
VCE A: 10m  
hfe: 160  
fT: 150  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3636

STI Type: 2N3637  
Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
Tj: 200  
VCBO: 175  
VCEO: 175  
hFE min: 100  
hFE max: 300  
hFE A: 50m  
VCE: .30  
VCE A: 10m  
hfe: 320  
fT: 200

Case Style: TO-205AD/TO-39:  
Industry Type: 2N3637

STI Type: 2N3636L

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO:  
VCER: 175  
ICBO:  
ICBO A: 1.0  
hFE: 50  
hFE A: 50mA  
VCE:  
VBE:  
IC:  
COB: 10  
fT: 150  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3636L

STI Type: 2N3637L

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO:  
VCER: 175  
ICBO:  
ICBO A: 1.0  
hFE: 100  
hFE A: 50mA  
VCE:  
VBE:  
IC:  
COB: 10  
fT: 200  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3637L

STI Type: 2N3660

Notes:  
Polarity: PNP  
Power Dissipation: 5.0  
VCBO: 30  
VCER:  
ICBO:  
ICBO ua:  
hFE: 25  
hFE A: .5  
VCE:  
VBE:  
IC A:  
COB: 275  
fT: 25  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3660

STI Type: 2N3659

Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 220  
VCER: 170  
ICBO: 200  
ICBO A: .01  
hFE: 20  
hFE A: 10

VCE: .50  
VBE:  
IC: 50  
COB: 8.0  
fT: 50  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3659

STI Type: 2N3661

Notes:  
Polarity: PNP  
Power Dissipation: 5.0  
VCBO: 50  
VCER:  
ICBO:  
ICBO ua:  
hFE: 25  
hFE A: .5  
VCE:  
VBE:  
IC A:  
COB: 275  
fT: 25  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3661

STI Type: 2N2914DIE  
Industry Type: 2C2914

V CEO: 45  
ICBO ICEX:  
h FE: 150  
IC:  
V CE:  
Case Style:

STI Type: 2N5656

Notes:  
Polarity: NPN  
Power Dissipation: 20  
VCEV: 325  
VCEO: 300  
ICEV: 300  
ICEV A: .10  
hFE: 30  
hFE A: .10  
VCE: 1.0  
VBE: 1.0  
IC: .10  
COB: 25  
fT: 10  
Case Style: TO-225AA/TO-126:  
Industry Type: 2N5656

STI Type: 2N3675

Notes:  
Polarity: NPN  
Power Dissipation: 8.8  
VCBO: 55  
VCER:  
ICBO:  
ICBO ua:  
hFE: 12  
hFE A: 1.0  
VCE:  
VBE:  
IC A:  
COB:  
fT: 1.0

Case Style: TO-205AD/TO-39  
Industry Type: 2N3675

STI Type: 2N3676

Notes:  
Polarity: NPN  
Power Dissipation: 8.8  
Tj: 200  
VCEV: 90  
VCEO: 90  
hFE min: 12  
hFE max: 60  
hFE A: 1.0  
VCE: .80  
VCE A: 1.0  
fT: 1.0

Case Style: TO-205AD/TO-39  
Industry Type: 2N3676

STI Type: 2N3680

Notes:  
Polarity: NPN  
Power Dissipation: .60  
VCEO: 50  
hFE min: 150  
hFE max: 600  
hFE A: .01  
Matching hFE: 10  
Matching VBE: 3.0  
Tracking: 5.0  
Case Style: TO-78  
Industry Type: 2N3680

STI Type: 2N3701

Notes:  
Polarity: NPN  
Power Dissipation:  
Tj:  
VCBO:  
VCEO: 80  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-206AA/TO-18:  
Industry Type: 2N3701

STI Type: 2N3700

Notes: \*BVCEO  
Polarity: NPN  
Power Dissipation: .5  
VCBO: 140  
VCER: 80\*  
ICBO:  
ICBO ua:  
hFE: 100  
hFE A: .15  
VCE: 0.2  
VBE: 1.1  
IC A: 150m  
COB: 12  
fT: 100  
Case Style: TO-206AA/TO-18  
Industry Type: 2N3700

STI Type: 2N3713  
Notes:  
Polarity: NPN  
Power Dissipation: 150  
VCBO: 80  
VCER: 60  
ICBO:  
ICBO ua:  
hFE: 25  
hFE A: 1.0  
VCE: 1.0  
VBE: 2.0  
IC A: 5.0  
COB:  
fT:  
Case Style: TO-204AA/TO-3  
Industry Type: 2N3713

STI Type: 2N3715  
Notes: \*BVCBO  
Polarity: NPN  
Power Dissipation: 150  
Tj: 200  
VCEV: 80\*  
VCEO: 60  
hFE min: 50  
hFE max: 150  
hFE A: 1.0  
VCE: .80  
VCE A: 5.0  
fT: .03  
Case Style: TO-204AA/TO-3  
Industry Type: 2N3715

STI Type: 2N3714  
Notes: \*BVCBO  
Polarity: NPN  
Power Dissipation: 150  
Tj: 200  
VCEV: 100\*  
VCEO: 80  
hFE min: 25  
hFE max: 90  
hFE A: 1.0  
VCE: 1.0  
VCE A: 5.0  
fT: .03  
Case Style: TO-204AA/TO-3  
Industry Type: 2N3714

STI Type: 2N3719  
Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
Tj:  
VCBO: 40  
VCEO: 40  
hFE min: 25  
hFE max: 180  
hFE A: 1.0  
VCE:  
VCE A:  
hfe:  
fT: 60  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3719

STI Type: 2N3717

Notes:  
Polarity: NPN  
Power Dissipation:  
Tj:  
VCBO:  
VCEO: 60  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3717

STI Type: 2N5657

Notes:  
Polarity: NPN  
Power Dissipation: 20  
VCEV: 375  
VCEO: 350  
ICEV: 350  
ICEV A: .10  
hFE: 30  
hFE A: .10  
VCE: 1.0  
VBE: 1.0  
IC: .10  
COB: 25  
fT: 10  
Case Style: TO-225AA/TO-126:  
Industry Type: 2N5657

STI Type: 2N3716

Notes: \*BVCBO  
Polarity: NPN  
Power Dissipation: 150  
Tj: 200  
VCEV: 100\*  
VCEO: 80  
hFE min: 50  
hFE max: 150  
hFE A: 1.0  
VCE: .80  
VCE A: 5.0  
fT: .03  
Case Style: TO-204AA/TO-3  
Industry Type: 2N3716

STI Type: 2N3720

Notes:  
Polarity: PNP  
Power Dissipation: 6.0  
VCBO: 60  
VCER:  
ICBO:  
ICBO ua:  
hFE: 25  
hFE A: 1.0  
VCE:  
VBE:  
IC A:  
COB: 120  
fT: 60  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3720

STI Type: 2N3722  
Notes:  
Polarity: NPN  
Power Dissipation:  
Tj:  
VCBO:  
VCEO: 60  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
fT:  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3722

STI Type: 2N3724  
Notes:  
Polarity: NPN  
Power Dissipation: 5.0  
Tj: 200  
VCBO: 50  
VCEO: 30  
hFE min: 30  
hFE max:  
hFE A: 1.0  
VCE: 0.75  
VCE A: 1.0  
hfe:  
fT: 300  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3724

STI Type: 2N3724A  
Notes:  
Polarity: NPN  
Power Dissipation:  
Tj: 200  
VCBO: 50  
VCEO: 30  
hFE min: 35  
hFE max:  
hFE A: 500  
VCE: 0.42  
VCE A: 500  
hfe:  
fT: 300  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3724A

STI Type: 2N3725A  
Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
Tj: 200  
VCBO:  
VCEO: 30  
hFE min: 35  
hFE max:  
hFE A: 500m  
VCE: .52  
VCE A: 500m  
hfe:  
fT: 300  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3725A



STI Type: 2N3726  
Notes:  
Polarity: PNP  
Power Dissipation: 400  
VCEO: 45  
hFE min: 135  
hFE max: 350  
hFE A: 1.0  
Matching hFE: 1.0  
Matching VBE: 5.0  
Tracking: 1.6  
Case Style: TO-78  
Industry Type: 2N3726

STI Type: 2N3723  
Notes:  
Polarity: NPN  
Power Dissipation:  
Tj:  
VCBO:  
VCEO: 80  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
ft:  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3723

STI Type: 2N3727  
Notes:  
Polarity: PNP  
Power Dissipation: 400  
VCEO: 45  
hFE min: 135  
hFE max: 350  
hFE A: 1.0  
Matching hFE: 1.0  
Matching VBE: 2.5  
Tracking: .80  
Case Style: TO-78  
Industry Type: 2N3727

STI Type: 2N3734  
Notes:  
Polarity: NPN  
Power Dissipation:  
Tj:  
VCBO:  
VCEO: 30  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
ft:  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3734

STI Type: 2N5660  
Notes:  
Polarity: NPN  
Power Dissipation: 20

VCBO: 250  
VCER: 200  
ICBO:  
ICBO A:  
hFE: 40  
hFE A: 500MA  
VCE:  
VBE:  
IC:  
COB: 60  
fT: 20  
Case Style: TO-213AA/TO-66  
Industry Type: 2N5660

STI Type: 2N3735

Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 20  
VCER:  
ICBO:  
ICBO ua:  
hFE: 20  
hFE A: 1.0  
VCE:  
VBE:  
IC A:  
COB: 9.0  
fT: 250  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3735

STI Type: 2N3735L

Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 40  
VCER:  
ICBO:  
ICBO ua:  
hFE: 20  
hFE A: 1.0  
VCE:  
VBE:  
IC A:  
COB:  
fT: 250M  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3735L

STI Type: 2N3738

Notes:  
Polarity: NPN  
Power Dissipation: 20  
VCBO: 250  
VCER:  
ICBO: 250  
ICBO A: 100  
hFE: 40  
hFE A: 0.1  
VCE: 2.5  
VBE:  
IC: 0.25  
COB: 20  
fT: 10  
Case Style: TO-213AA/TO-66  
Industry Type: 2N3738

STI Type: 2N3725

Notes:

Polarity: NPN

Power Dissipation: .80

Tj: 200

VCBO: 80

VCEO: 50

hFE min: 60

hFE max: 150

hFE A: 100m

VCE: .40

VCE A: 300m

hfe: 3.0

fT: 300

Case Style: TO-205AD/TO-39:

Industry Type: 2N3725

STI Type: 2N3739

Notes: \*BVCEO

Polarity: NPN

Power Dissipation: 20

VCBO: 325

VCER: 300\*

ICBO: 325

ICBO A: 100

hFE: 40

hFE A: 0.1

VCE: 2.5

VBE: 1.0

IC: .25

COB: 20

fT: 10

Case Style: TO-213AA/TO-66

Industry Type: 2N3739

STI Type: 2N3740

Notes:

Polarity: PNP

Power Dissipation: 25

VCBO: 40

VCER:

ICBO:

ICBO ua:

hFE: 30

hFE A: .25

VCE:

VBE:

IC A:

COB: 100

fT: 4.0

Case Style: TO-213AA/TO-66

Industry Type: 2N3740

STI Type: 2N3740A

Notes:

Polarity: PNP

Power Dissipation: 25

VCBO: 60

VCER:

ICBO:

ICBO ua:

hFE: 30

hFE A: .25

VCE:

VBE:

IC A:

COB: 4.0

ft: 4.0  
Case Style: TO-213AA/TO-66  
Industry Type: 2N3740A

STI Type: 2N3741

Notes:  
Polarity: PNP  
Power Dissipation: 25  
VCBO: 80  
VCER:  
ICBO:  
ICBO ua:  
hFE: 30  
hFE A: .25  
VCE:  
VBE:  
IC A:  
COB: 100  
ft: 4.0  
Case Style: TO-213AA/TO-66  
Industry Type: 2N3741 IN STOCK

STI Type: 2N3741A

Notes:  
Polarity: PNP  
Power Dissipation:  
Tj:  
VCBO:  
VCEO: 80  
hFE min:  
hFE max:  
hFE A:  
VCE:  
VCE A:  
hfe:  
ft:  
Case Style: TO-213AA (TO-66):  
Industry Type: 2N3741A

STI Type: 2N3742

Notes:  
Polarity: NPN  
Power Dissipation: 1.0  
VCBO: 300  
VCER: 300  
ICBO: 200  
ICBO A: .20  
hFE: 20  
hFE A: 30  
VCE: 3.0  
VBE: 1.2  
IC: 30  
COB: 8.0  
ft: 30  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3742

STI Type: 2N5661

Notes:  
Polarity: NPN  
Power Dissipation: 20  
VCBO:  
VCER: 300  
ICBO:  
ICBO A: 1.0  
hFE: 40  
hFE A: 500mA

VCE:  
VBE:  
IC:  
COB: 60  
fT: 20  
Case Style: TO-213AA/TO-66  
Industry Type: 2N5661

STI Type: 2N3762

Notes:  
Polarity: PNP  
Power Dissipation: 60  
VCBO: 40  
VCER:  
ICBO:  
ICBO ua:  
hFE: 30  
hFE A: 1.0  
VCE:  
VBE:  
IC A:  
COB: 15  
fT: 180  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3762

STI Type: 2N3762L

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO: 40  
VCER:  
ICBO:  
ICBO ua:  
hFE: 30  
hFE A: 1.0  
VCE:  
VBE:  
IC A:  
COB:  
fT: 180  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3762L

STI Type: 2N3763

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO: 60  
VCER:  
ICBO:  
ICBO ua:  
hFE: 20  
hFE A: 1.0  
VCE:  
VBE:  
IC A:  
COB: 15  
fT: 150  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3763

STI Type: 2N3763L

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO: 60

VCER:  
ICBO:  
ICBO ua:  
hFE: 20  
hFE A: 1.0  
VCE:  
VBE:  
IC A:  
COB:  
fT: 150  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3763L

STI Type: 2N3766

Notes:  
Polarity: NPN  
Power Dissipation: 20  
VCBO: 80  
VCER: 80  
ICBO: 80  
ICBO ua: 100  
hFE: 40  
hFE A: .50  
VCE: 2.5  
VBE: 1.5  
IC A: 1.0  
COB: 50  
fT: 10  
Case Style: TO-213AA/TO-66  
Industry Type: 2N3766

STI Type: 2N3743

Notes:  
Polarity: PNP  
Power Dissipation: 1.0  
VCBO: 300  
VCER: 300  
ICBO: 200  
ICBO A: .30  
hFE: 25  
hFE A: 30  
VCE: 6.0  
VBE: 1.2  
IC: 30  
COB: 15  
fT: 30  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3743

STI Type: 2N3771

Notes:  
Polarity: NPN  
Power Dissipation: 150  
VCBO: 40  
VCER:  
ICBO:  
ICBO ua:  
hFE: 15  
hFE A: 15  
VCE:  
VBE:  
IC A:  
COB:  
fT: .2  
Case Style: TO-204AA/TO-3  
Industry Type: 2N3771 IN STOCK

STI Type: 2N3772  
Notes: \*BVCBO  
Polarity: NPN  
Power Dissipation: 150  
Tj: 200  
VCEV: 100\*  
VCEO: 60  
hFE min: 15  
hFE max: 60  
hFE A: 10  
VCE: 1.4  
VCE A: 10  
fT: .20  
Case Style: TO-204AA/TO-3  
Industry Type: 2N3772 IN STOCK

STI Type: 2N3774  
Notes:  
Polarity: PNP  
Power Dissipation: 5.0  
VCBO: 40  
VCER:  
ICBO:  
ICBO ua:  
hFE: 20  
hFE A: .2  
VCE:  
VBE:  
IC A:  
COB:  
fT: 1.0  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3774

STI Type: 2N3775  
Notes:  
Polarity: PNP  
Power Dissipation: 5.0  
VCBO: 60  
VCER:  
ICBO:  
ICBO ua:  
hFE: 20  
hFE A: .2  
VCE:  
VBE:  
IC A:  
COB:  
fT: 1.0  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3775

STI Type: 2N5662  
Notes:  
Polarity: NPN  
Power Dissipation: 15  
VCBO:  
VCER: 200  
ICBO:  
ICBO A: 1.0  
hFE: 40  
hFE A: 500mA  
VCE:  
VBE:  
IC:  
COB: 60  
fT: 20  
Case Style: TO-205AD/TO-39  
Industry Type: 2N5662

STI Type: 2N3776  
Notes:  
Polarity: PNP  
Power Dissipation: 5.0  
VCBO: 80  
VCER:  
ICBO:  
ICBO ua:  
hFE: 20  
hFE A: .2  
VCE:  
VBE:  
IC A:  
COB:  
fT: 1.0  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3776

STI Type: 2N3777  
Notes:  
Polarity: PNP  
Power Dissipation: 5.0  
Tj: 200  
VCBO: 100  
VCEO: 100  
hFE min: 20  
hFE max: 60  
hFE A: 200m  
VCE: .20  
VCE A: .20m  
hfe:  
fT: 1.0  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3777

STI Type: 2N3767  
Notes:  
Polarity: NPN  
Power Dissipation: 20  
VCBO: 100  
VCER: 100  
ICBO: 100  
ICBO ua: 100  
hFE: 40  
hFE A: .50  
VCE: 2.5  
VBE: 1.5  
IC A: 1.0  
COB: 50  
fT: 10  
Case Style: TO-213AA/TO-66  
Industry Type: 2N3767

STI Type: 2N3773  
Notes: \*BVCBO  
Polarity: NPN  
Power Dissipation: 150  
Tj: 200  
VCEV: 160\*  
VCEO: 140  
hFE min: 15  
hFE max: 60  
hFE A: 8.0  
VCE: 1.4  
VCE A: 8.0  
fT: .20



Case Style: TO-204AA/TO-3  
Industry Type: 2N3773 IN STOCK

STI Type: 2N3779

Notes:  
Polarity: PNP  
Power Dissipation: 5.0  
VCBO: 60  
VCER:  
ICBO:  
ICBO ua:  
hFE: 10  
hFE A: .2  
VCE:  
VBE:  
IC A:  
COB:  
fT: 1.0  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3779

STI Type: 2N3780

Notes:  
Polarity: PNP  
Power Dissipation: 5.0  
VCBO: 80  
VCER:  
ICBO:  
ICBO ua:  
hFE: 10  
hFE A: .2  
VCE:  
VBE:  
IC A:  
COB:  
fT: 1.0  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3780

STI Type: 2N3781

Notes:  
Polarity: PNP  
Power Dissipation: 5.0  
Tj: 200  
VCBO: 100  
VCEO: 100  
hFE min: 10  
hFE max: 40  
hFE A: 200m  
VCE: .20  
VCE A: .20m  
hfe:  
fT: 1.0  
Case Style: TO-205AD/TO-39:  
Industry Type: 2N3781

STI Type: 2N3782

Notes:  
Polarity: PNP  
Power Dissipation: 5.0  
VCBO: 40  
VCER:  
ICBO:  
ICBO ua:  
hFE: 10  
hFE A: 1.0  
VCE:  
VBE:

IC A:  
COB:  
fT: 1.0  
Case Style: TO-205AD/TO-39  
Industry Type: 2N3782

STI Type: 2N3788

Notes:  
Polarity: NPN  
Power Dissipation: 100  
VCEV: 400  
VCEO: 325  
ICEV: 400  
ICEV A: 5.0  
hFE: 20  
hFE A: .50  
VCE: 5.0  
VBE: 5.0  
IC: .50  
COB: 400  
fT: 5.0  
Case Style: TO-204AA/TO-3:  
Industry Type: 2N3788

STI Type: 2N3789

Notes: \*BVCBO  
Polarity: PNP  
Power Dissipation: 150  
Tj: 200  
VCEV: 60\*  
VCEO: 60  
hFE min: 25  
hFE max: 90  
hFE A: 1.0  
VCE:  
VCE A:  
fT: .03  
Case Style: TO-204AA/TO-3  
Industry Type: 2N3789

STI Type: 2N5663

Notes:  
Polarity: NPN  
Power Dissipation: 15  
VCBO:  
VCER: 300  
ICBO:  
ICBO A: 1.0  
hFE: 40  
hFE A: 500mA  
VCE:  
VBE:  
IC:  
COB: 60  
fT: 20  
Case Style: TO-205AD/TO-39  
Industry Type: 2N5663

STI Type: 2N3790

Notes: \*BVCBO  
Polarity: PNP  
Power Dissipation: 150  
Tj: 200  
VCEV: 80\*  
VCEO: 80  
hFE min: 25  
hFE max: 90  
hFE A: 1.0

VCE:  
VCE A:  
ft: .03  
Case Style: TO-204AA/TO-3  
Industry Type: 2N3790