

Surface Mount Devices

High Voltage Transistors

| Type | Package | Ratings | | | h _{FE} | | V _{CE(sat)} | | f _T | Pinout See Section VII |
|------------|---------|-----------------------|-----------------------|----------------------|--|-------|---|------|----------------|---------------------------------|
| | | V _{CEO} V | V _{CBO} V | I _C mA | min./max. at I _C /V _{CE} mA/V | | max. at I _C /I _B V mA/mA | | typ MHz | |
| NPN | | | | | | | | | | |
| BF620 | SOT-89 | — | 300 | 20 | 50/- | 25/20 | 0.6 | 30/5 | 60 | AE |
| BF720 | SOT-223 | — | 300 | 50 | 50/- | 25/20 | 0.6 | 30/5 | 60 | R |
| BF820 | SOT-23 | — | 300 | 50 | 50/- | 25/20 | 0.6 | 30/5 | 60 | F |
| BSR19 | SOT-23 | 140 | 160 | 600 | 60/250 | 10/5 | 0.25 | 50/5 | 100 | F |
| PMBT5550 | SOT-23 | 140 | 160 | 600 | 60/250 | 10/5 | 0.15 | 10/1 | 200 | F |
| BSR19A | SOT-23 | 160 | 180 | 600 | 80/250 | 10/5 | 0.2 | 50/5 | 100 | F |
| PMBT5551 | SOT-23 | 160 | 180 | 600 | 80/250 | 10/5 | 0.15 | 10/1 | 200 | F |
| PMBTA43 | SOT-23 | 200 | 200 | 500 | 40/- | 30/10 | 0.5 | 20/2 | 50 | F |
| PZTA43 | SOT-223 | 200 | 200 | 500 | 40/- | 30/10 | 0.5 | 20/2 | 50 | R |
| BF622 | SOT-89 | 250 | 250 | 20 | 50/- | 25/20 | 0.6 | 30/5 | 60 | AE |
| BF722 | SOT-223 | 250 | 250 | 50 | 50/- | 25/20 | 0.6 | 30/5 | 60 | R |
| BF822 | SOT-23 | 250 | 250 | 50 | 50/- | 25/20 | 0.6 | 30/5 | 60 | F |
| BSP20 | SOT-223 | 250 | 300 | 1000 | 40/160 | 30/10 | 0.5 | 20/2 | 50 | R |
| BST40 | SOT-89 | 250 | 300 | 1000 | 40/160 | 20/10 | 0.50 | 50/4 | 15 | AE |
| PMBTA42 | SOT-23 | 300 | 300 | 500 | 40/- | 30/10 | 0.5 | 20/2 | 50 | F |
| PZTA42 | SOT-223 | 300 | 300 | 500 | 40/- | 30/10 | 0.5 | 20/2 | 50 | R |
| BSP19 | SOT-223 | 350 | 400 | 1000 | 40/160 | 20/10 | 0.50 | 50/4 | 15 | R |
| BST39 | SOT-89 | 350 | 400 | 1000 | 40/160 | 20/10 | 0.50 | 50/4 | 15 | AE |
| PXTA42 | SOT-89 | 300 | 300 | 500 | 40/1 | 30/10 | 0.50 | 20/2 | 50 | AE |
| PNP | | | | | | | | | | |
| BF621 | SOT-89 | — | 300 | 20 | 50/- | 25/20 | 0.8 | 30/5 | 60 | AE |
| BF721 | SOT-223 | — | 300 | 50 | 50/- | 25/20 | 0.8 | 30/5 | 60 | R |
| BF821 | SOT-23 | — | 300 | 50 | 50/- | 25/20 | 0.8 | 30/5 | 60 | F |
| BF823 | SOT-23 | 50 | 250 | 50 | 50/- | 25/20 | 0.8 | 30/5 | 60 | F |
| BSR20 | SOT-23 | 120 | 130 | 600 | 40/180 | 10/5 | 0.5 | 50/5 | 100 | F |
| BSR20A | SOT-23 | 150 | 160 | 600 | 60/240 | 10/5 | 0.5 | 50/5 | 100 | F |
| PMBT5401 | SOT-23 | 150 | 160 | 600 | 60/240 | 10/5 | 0.2 | 10/1 | 200 | F |
| BF723 | SOT-223 | 200 | 200 | 50 | 50/- | 25/20 | 0.8 | 30/5 | 60 | R |
| BSP15 | SOT-223 | 200 | 200 | 1000 | 30/150 | 50/10 | 2.5 | 50/5 | 15 | R |
| BST15 | SOT-89 | 200 | 200 | 1000 | 30/150 | 50/10 | 2.5 | 50/5 | 15 | AE |
| PMBTA93 | SOT-23 | 200 | 200 | 500 | 25/- | 30/10 | 0.5 | 20/2 | 50 | F |
| BF623 | SOT-89 | 200 | 200 | 20 | 25/- | 30/10 | 0.5 | 20/2 | 50 | AE |
| PZTA93 | SOT-223 | 200 | 200 | 500 | 25/- | 30/10 | 0.5 | 20/2 | 50 | R |
| BSP16 | SOT-223 | 300 | 350 | 1000 | 30/120 | 50/10 | 2.5 | 50/5 | 15 | R |
| BST16 | SOT-89 | 300 | 350 | 1000 | 30/120 | 50/10 | 2.0 | 50/5 | 15 | AE |
| PMBTA92 | SOT-23 | 300 | 300 | 500 | 25/- | 30/10 | 0.5 | 20/2 | 50 | F |
| PXTA92 | SOT-89 | 300 | 300 | 500 | 25/- | 30/10 | 0.5 | 20/2 | 50 | AE |
| PZTA92 | SOT-223 | 300 | 300 | 500 | 25/- | 30/10 | 0.5 | 20/2 | 50 | R |

V