

# Small Signal Transistors

## TO-92 Case (Continued)



TO-92

TYPE NO.	FAMILY	LEAD CODE	V <sub>CBO</sub>	V <sub>CEO</sub>	V <sub>EBO</sub>	I <sub>CBO</sub> @ V <sub>CBO</sub>	I <sub>CEO</sub>	h <sub>FE</sub>	V <sub>CE</sub> @ I <sub>C</sub>	I <sub>C</sub>	V <sub>CE(SAT)</sub> @ I <sub>C</sub>	C <sub>ob</sub>	f <sub>T</sub>	NF	t <sub>off</sub>
			(V)	(V)	(V)	(μA)	(V)	(μA)	(V)	(mA)	(V)	(mA)	(pF)	(MHz)	(dB)
			MIN	MIN	MIN	MIN	MIN	MIN	MIN	MIN	MIN	MAX	TYP	MAX	MAX
MPSA25	NPN DARLINGTON	EBC	40	40*	10	100	30	10,000	5.0	100	1.50	100	125	---	---
MPSA26	NPN DARLINGTON	EBC	50	50*	10	100	40	10,000	5.0	100	1.50	100	125	---	---
MPSA27	NPN DARLINGTON	EBC	60	50*	10	100	50	10,000	5.0	100	1.50	100	125	---	---
MPSA28	NPN DARLINGTON	EBC	80	80*	12	100	60	10,000	5.0	100	1.50	100	8.0	125	---
MPSA29	NPN DARLINGTON	EBC	100	100	12	100	80	10,000	5.0	100	1.50	100	8.0	125	---
MPSA42	NPN HIGH VOLTAGE	EBC	300	300	6.0	100	200	40	10	30	0.50	20	3.0	50	---
MPSA44	NPN HIGH VOLTAGE	EBC	500	400	6.0	100	400	50	10	10	0.75	50	6.0	20	---
MPSA45	NPN HIGH VOLTAGE	EBC	400	350	6.0	100	320	50	10	10	0.75	50	6.0	20	---
MPSA55	PN AMPL/SWITCH	EBC	60	60	4.0	100	60	50	1.0	100	0.25	100	---	50	---
MPSA56	PNP AMPL/SWITCH	EBC	80	80	4.0	100	80	50	1.0	100	0.25	100	---	50	---
MPSA62	PNP DARLINGTON	EBC	20	20*	10	100	15	20,000	5.0	10	1.0	10	---	125	---
MPSA63	PNP DARLINGTON	EBC	30	30*	10	100	30	10,000	5.0	100	1.50	100	---	125	---
MPSA64	PNP DARLINGTON	EBC	30	30*	10	100	30	20,000	5.0	100	1.50	100	---	125	---
MPSA65	PNP DARLINGTON	EBC	30	30*	8.0	100	30	20,000	5.0	100	1.50	100	---	100	---
MPSA66	PNP DARLINGTON	EBC	30	30*	8.0	100	30	40,000	5.0	100	1.50	100	---	100	---
MPSA70	PNP LOW NOISE	EBC	---	40	4.0	100	30	40	10	5.0	0.25	10	4.0	125	---
MPSA75	PNP DARLINGTON	EBC	40	40*	10	100	30	10,000	5.0	100	1.50	100	---	125	---
MPSA76	PNP DARLINGTON	EBC	50	50*	10	100	40	10,000	5.0	100	1.50	100	---	125	---
MPSA77	PNP DARLINGTON	EBC	60	60*	10	100	50	10,000	5.0	100	1.50	100	---	125	---
MPSA92	PNP HIGH VOLTAGE	EBC	300	300	5.0	250	200	25	10	30	0.5	20	6.0	50	---
MPSD04	NPN DARLINGTON	EBC	---	25*	10	1,000	20	1,000	5.0	300	1.0	100	---	100	---
MPSD54	PNP DARLINGTON	EBC	---	25*	10	1,000	20	1,000	5.0	100	1.0	100	---	100	---
MPSH10	NPN RF OSC	BEC	30	25	3.0	100	25	60	10	4.0	0.50	4.0	0.65*	650	---
MPSH11	NPN RF OSC	BEC	30	25	3.0	100	25	60	10	4.0	0.50	4.0	0.90*	650	---
MPSL01	NPN HIGH VOLTAGE	EBC	140	120	5.0	1,000	75	50	5.0	10	0.30	50	8.0	60	---
MPSL51	PNP HIGH VOLTAGE	EBC	100	100	4.0	1,000	50	40	5.0	50	0.30	50	8.0	60	---
PN918	NPN RF OSC	EBC	30	15	3.0	10	15	20	1.0	3.0	0.40	10	1.7	600	6.0
PN2222A	NPN AMPL/SWITCH	EBC	75	40	6.0	10	60	100	10	150	1.0	500	8.0	300	4.0
PN2369A	NPN SAT SWITCH	EBC	40	15	4.5	400	20	40	0.35	10	0.50	100	4.0	500	---
PN2484	NPN LOW NOISE	EBC	60	60	6.0	10	45	250	5.0	1.0	0.30	1.0	6.0	---	3.0
PN2907A	PNP AMPL/SWITCH	EBC	60	60	5.0	10	50	100	10	150	1.60	500	8.0	200	---
PN3563	NPN RF OSC	EBC	30	12	2.0	50	15	20	10	8.0	---	---	1.7	600	---
PN3564	NPN RF OSC	EBC	30	15	4.0	50	15	20	10	15	0.30	20	3.5	400	---
PN3565	NPN LOW NOISE	EBC	30	25	6.0	50	25	150	10	1.0	0.35	1.0	4.0	40	---
PN3566	NPN AMPL/SWITCH	EBC	40	30	5.0	50	20	150	10	10	1.0	100	25	40	---
PN3567	NPN AMPL/SWITCH	EBC	80	40	5.0	50	40	40	1.0	150	0.25	150	20	60	---
PN3568	NPN AMPL/SWITCH	EBC	80	60	5.0	50	40	40	1.0	150	0.25	150	20	60	---
PN3569	NPN AMPL/SWITCH	EBC	80	40	5.0	50	40	100	1.0	150	0.25	150	20	60	---
PN3638A	PNP AMPL/SWITCH	EBC	25	25	4.0	35*	15	100	1.0	50	1.0	300	10	150	---
PN3639	PNP SAT SWITCH	EBC	6.0	6.0	4.0	10*	3.0	30	0.30	10	0.50	50	3.5	500	---
PN3640	PNP SAT SWITCH	EBC	12	12	4.0	10*	6.0	30	0.30	10	0.60	50	3.5	500	---

Shaded areas indicate Darlington.

Devices are available lead formed. See pages 217 and 218 for details.