



Small Signal Transistors U.S. Specification (Preferred Series) SOT-23 Case, 350mW (Continued)

TYPE NO.	BV _{CB0}	BV _{CEO}	BV _{EBO}	I _{CBO}	@ V _{CB}	h _{FE}		@ V _{CE}	@ I _C	V _{CE(SAT)}		C _{ob}	f _T	NF	t _{OFF}
	(V) MIN	*BV _{CES} (V) MIN	(V) MIN	*I _{CES} (nA) MAX	(V)	MIN	MAX	(V)	(mA)	(V)	(mA)	(pF) MAX	(MHz) MIN	(dB) MAX	(ns) MAX

High Voltage Devices are listed in order of descending breakdown voltage.

NPN

CMPTA44	450	400	6.0	100	400	30	200	10	10	0.75	50	7.0	20	-	-
CMPT6517	350	350	5.0	50	250	30	200	10	30	1.0	50	6.0	40	-	-
CMPTA42	300	300	6.0	100	200	40	-	10	30	0.5	20	3.0	50	-	-
CMPT5551	180	160	6.0	50	120	80	250	5.0	10	0.2	50	6.0	100	8.0	-

PNP

CMPT6520	350	350	5.0	50	250	30	200	10	30	1.0	50	6.0	40	-	-
CMPTA92	300	300	5.0	250	200	25	-	10	30	0.5	20	6.0	50	-	-
CMPT5401	160	150	5.0	50	120	60	240	5.0	10	0.5	50	6.0	100	8.0	-

RF Oscillator Devices are listed in order of descending f_T.

NPN

CMPT5179	20	12	2.5	20	15	25	250	1.0	3.0	0.4	10	1.0	900	4.5	-
CMPTH10	30	25	3.0	100	25	60	-	10	4.0	0.5	4.0	0.7	650	-	-
CMPT918	30	15	3.0	10	15	20	-	1.0	3.0	0.4	10	1.7	600	6.0	-

Darlington Devices are listed in order of descending h_{FE}.

NPN

CMPT6427	40	40	12	50	30	20,000	200,000	5.0	100	1.5	500	7.0	130	10	-
CMPTA14	30	30*	10	100	30	20,000	-	5.0	100	1.5	100	-	125	-	-
CMPTA13	30	30*	10	100	30	10,000	-	5.0	100	1.5	100	-	125	-	-
CMPTA27	60	60*	10	100	50	10,000	-	5.0	100	1.5	100	-	125	-	-
CMPTA29	100	100	12	100	80	10,000	-	5.0	100	1.5	100	8.0	125	-	-



PNP

CMPTA64	30	30*	10	100	30	20,000	-	5.0	100	1.5	100	-	125	-	-
CMPTA63	30	30*	10	100	30	10,000	-	5.0	100	1.5	100	-	125	-	-

Shaded areas indicate Darlington.



Small Signal MOSFET SOT-23 Case

TYPE NO.	r _{DS(ON)} @ I _D		V _{GS(th)}		BV _{DSS}	C _{iss}	C _{rss}	t _{on}	t _{OFF}
	(Ω) MAX	(A) MAX	(V) MIN	(V) MAX	(V) MIN	(pF) MAX	(pF) MAX	(ns) MAX	(ns) MAX
2N7002	7.5	0.5	1.0	2.5	60	50	5.0	20	20