



Small Signal Transistors

SOT-223 Case, 2.0W

TYPE NO.	V_{CB0}	V_{CE0}	V_{EBO}	I_{CBO}	I_{CES}	h_{FE}		V_{CE}	I_C	$V_{CE(SAT)}$		C_{ob}	f_T	NF	t_{OFF}
	(V) MIN	(V) MIN	(V) MIN	(nA) MAX	(V) MAX	MIN	MAX	(V)	(mA)	(V) MAX	(mA) MAX	(pF) MAX	(MHz) MIN	(dB) MAX	(ns) MAX

General Purpose Amplifier/Switches Devices are listed in order of descending breakdown voltage.

NPN

CZT2222A	75	40	6.0	10	60	100	300	10	150	1.0	500	8.0	300	4.0	285
CZT3904	60	40	6.0	50*	30	100	300	1.0	10	0.3	50	4.0	300	5.0	250

PNP

CZT2907A	60	60	5.0	10	50	100	300	10	150	1.6	500	8.0	200	-	100
CZT3906	60	40	6.0	50*	30	100	300	1.0	10	0.3	50	4.0	300	5.0	250

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

NPN

CZT3019	120	80	7.0	10	90	100	300	10	150	0.5	500	12	100	4.0	-
CBPC68	25	20	5.0	100	25	85	375	1.0	500	0.5	1,000	-	65	-	-

PNP

CZT4033	80	80	5.0	50	60	100	300	5.0	100	0.5	500	20	100	-	-
CBPC69	25	20	5.0	100	25	85	375	1.0	500	0.5	1,000	-	65	-	-

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

NPN

CZTA44	450	400	6.0	100	400	50	200	10	10	0.75	50	7.0	20	-	-
CZTA42	300	300	6.0	100	200	40	-	10	30	0.5	20	4.0	50	-	-
CZT5551	180	160	6.0	50	120	80	250	5.0	10	0.2	50	6.0	100	8.0	-

PNP

CZTA92	300	300	5.0	250	200	25	-	10	30	0.5	200	6.0	50	-	-
CZT5401	160	150	5.0	50	120	60	240	5.0	10	0.5	50	6.0	100	8.0	-

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

NPN

CZTA14	30	30*	10	100	30	20,000	-	5.0	100	1.5	100	-	125	-	-
CZT2000	200	200*	10	500	180	3,000	-	5.0	160	1.1	80	-	-	-	-

PNP

CZTA64	30	30*	10	100	30	20,000	-	5.0	100	1.5	100	-	125	-	-
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Shaded areas indicate Darlington.

Note: SOT-223 also mounts directly on DPAK solder pads.