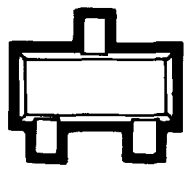
SMD Transistors SOT-23 Case U.S. Specification (Preferred Series) 350mW

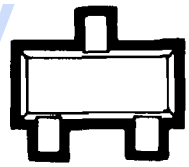
	TYPE NO.	DESCRIPTION	BV_{CBO} (VOLTS) MIN	BV_{CEO} (VOLTS) MIN	BV_{EBO} (VOLTS) MIN	I_{CBO} @ V_{CB} (nA) MAX	(VOLTS)	h_{FE} @ V_{CE} @ I_C MIN	MAX	(VOLTS)	(mA)	V_{CE} (SAT) @ I_C (VOLTS) MAX	(mA)	C_{ob} (pF) MAX	f_T (MHz) MIN	NF (dB) MAX	t_{OFF} (ns) MAX	MARKING CODE	SIMILAR LEADED DEVICE
	CMPT 918	NPN RF OSC	30	15	3.0	10	15	20	—	1.0	3.0	0.4	10	1.7	600	6.0	—	C3B	2N 918
	CMPT2222A	NPN AMPL/SWITCH	75	40	6.0	10	60	100	300	10	150	1.0	500	8.0	300	4.0	285	C1P	2N2222A
	CMPT2369	NPN SAT SWITCH	40	15	4.5	400	20	40	120	1.0	10	0 25	10	4.0	500	—	18	C1J	2N2369
	CMPT2484	NPN LOW NOISE	60	60	6.0	10	45	250	—	5.0	1.0	0 35	1.0	6.0	—	3 0	—	C1U	2N2484
	CMPT2907A	PNP AMPL/SWITCH	60	60	5.0	10	50	100	300	10	150	1.6	500	8.0	200	—	100	C2F	2N2907A
	CMPT3640	PNP SAT SWITCH	12	12	4.0	10*	6 0	30	120	0.3	10	0.5	50	3.5	300	—	60	C2J	PN3640
NEW!	CMPT3646	NPN SAT SWITCH	40	15	5 0	500*	20	15	—	1.0	300	0.5	300	5.0	350	—	28	C2R	PN3646
	CMPT3904	NPN AMPL/SWITCH	60	40	6.0	50*	30	100	300	1 0	10	0.3	50	4.0	300	5.0	250	C1A	2N3904
	CMPT3906	PNP AMPL/SWITCH	40	40	5.0	50*	30	100	300	1.0	10	0.4	50	4.5	250	4.0	300	C2A	2N3906
	CMPT4401	NPN AMPL/SWITCH	60	40	6.0	100*	35	100	300	1 0	150	0.75	500	6.5	200	—	255	C2X	2N4401
	CMPT4403	PNP AMPL/SWITCH	40	40	5.0	100*	35	100	300	2.0	150	0.75	500	8.5	200	—	255	C2T	2N4403
	CMPT5086	PNP LOW NOISE	50	50	3.0	50	35	150	500	5.0	0.1	0.3	10	4.0	40	3.0	—	C2P	2N5086
	CMPT5087	PNP LOW NOISE	50	50	3.0	50	35	250	800	5.0	0.1	0.3	10	4.0	40	2.0	—	C2Q	2N5087
	CMPT5088	NPN LOW NOISE	35	30	4 5	50	20	300	900	5.0	0.1	0.5	10	4.0	50	3.0	—	C1Q	2N5088
	CMPT5089	NPN LOW NOISE	30	25	4.5	50	15	400	1,200	5 0	0.1	0.5	10	4.0	50	2 0	—	C1R	2N5089
NEW!	CMPT5179	NPN RF OSC	20	12	2.5	20	15	25	250	1.0	3.0	0.4	10	1.0	900	4 5	—	C7H	2N5179
	CMPT5401	PNP HIGH VOLT	160	150	5.0	50	120	60	240	5.0	10	0.5	50	6.0	100	8.0	—	C2L	2N5401
	CMPT5551	NPN HIGH VOLT	180	160	6 0	50	120	80	250	5.0	10	0.2	50	6 0	100	8.0	—	1FF	2H5551
NEW!	CMPT6427	NPN DARLINGTON	40	40	12	50	30	20,000	200,000	5.0	100	1.5	500	7 0	130	10	—	C1V	2N6427
NEW!	CMPT6428	NPN LOW NOISE	60	50	6.0	10	30	250	650	5.0	0.1	0.6	100	3.0	100	—	—	C1K	2N6428
NEW!	CMPT6429	NPN LOW NOISE	55	45	6.0	10	30	500	1,250	5.0	0 1	0.6	100	3.0	100	—	—	C1L	2N6429
NEW!	CMPT6517	NPN HIGH VOLTAGE	350	350	5.0	50	250	15	—	10	100	1.0	50	6.0	40	—	—	C1Z	2N6517
NEW!	CMPT8099	NPN AMPL/SWITCH	80	80	6.0	100	80	100	300	5.0	1 0	0.4	100	6.0	150	—	—	CKB	MPS8099
NEW!	CMPT8599	PNP AMPL/SWITCH	80	80	5.0	100	80	100	300	5 0	1.0	0 4	100	4.5	150	—	—	C2W	MPS8599
	CMPTA06	NPN HIGH CURRENT	80	80	4.0	100	80	50	—	1.0	100	0 25	100	—	100	—	—	C1G	MPSA06
	CMPTA13	NPN DARLINGTON	30	30*	10	100	30	10,000	—	5.0	100	1.5	100	—	125	—	—	C1M	MPSA13
	CMPTA14	NPN DARLINGTON	30	30*	10	100	30	20,000	—	5.0	100	1.5	100	—	125	—	—	C1N	MPSA14
NEW!	CMPTA27	NPN DARLINGTON	60	60*	10	100	50	10,000	—	5.0	100	1.5	100	—	125	—	—	FG	MPSA27
	CMPTA42	NPN HIGH VOLT	300	300	6.0	100	200	40	—	10	30	0.5	20	3.0	50	—	—	C1D	MPSA42
NEW!	CMPTA44	NPN HIGH VOLTAGE	450	400	6.0	100	400	30	200	10	10	0 75	50	7.0	20	—	—	C3Z	MPSA44
	CMPTA56	PNP HIGH CURRENT	80	80	4.0	100	80	50	—	1 0	100	0 25	100	—	50	—	—	C2G	MPSA56
	CMPTA63	PNP DARLINGTON	30	30*	10	100	30	10,000	—	5.0	100	1 5	100	—	125	—	—	C2U	MPSA63
	CMPTA64	PNP DARLINGTON	30	30*	10	100	30	20,000	—	5.0	100	1.5	100	—	125	—	—	C2V	MPSA64
	CMPTA92	PNP HIGH VOLTAGE	300	300	5.0	250	200	25	—	10	30	0.5	20	6.0	50	—	—	C2D	MPSA92
NEW!	CMPTH10	NPN VHF/UHF OSC	30	25	3.0	100	25	60	—	10	4 0	0.5	4.0	0.7	650	—	—	C3E	MPSH10

*BV_{CES} *I_{CES}



Datasheet.Technology

SMD Transistors SOT-23 Case Proelectron Series—350mW



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BC807	PNP HIGH CURRENT	50*	45	5.0	100	20	100	600	1.0	100	0 70	500	8 0	100	—	—		BC327
BC807 16	PNP HIGH CURRENT	50*	45	5 0	100	20	100	250	1.0	100	0.70	500	8 0	100	—	—	5A	BC327.16
BC807.25	PNP HIGH CURRENT	50*	45	5.0	100	20	160	400	1.0	100	0.70	500	8 0	100	—	—	5B	BC327 25
BC807.40	PNP HIGH CURRENT	50*	45	5.0	100	20	250	600	1.0	100	0.70	500	8 0	100	—	—	5C	BC327 40
BC808	PNP HIGH CURRENT	30*	25	5.0	100	20	100	600	1.0	100	0.70	500	8 0	100	—	—		BC328
BC808.16	PNP HIGH CURRENT	30*	25	5.0	100	20	100	250	1.0	100	0.70	500	8.0	100	—	—	5E	BC328.16
BC808.25	PNP HIGH CURRENT	30*	25	5.0	100	20	160	400	1 0	100	0.70	500	8 0	100	—	—	5F	BC328.25
BC808.40	PNP HIGH CURRENT	30*	25	5.0	100	20	250	600	1.0	100	0.70	500	8.0	100	—	—	5G	BC328 40
BC817	NPN HIGH CURRENT	50*	45	5.0	100	20	100	600	1 0	100	0.70	500	5.0	200	—	—		BC337
BC817.16	NPN HIGH CURRENT	50*	45	5 0	100	20	100	250	1 0	100	0.70	500	5.0	200	—	—	6A	BC337.16
BC817 25	NPN HIGH CURRENT	50*	45	5 0	100	20	160	400	1.0	100	0.70	500	5.0	200	—	—	6B	BC337.25
BC817.40	NPN HIGH CURRENT	50*	45	5.0	100	20	250	600	1 0	100	0 70	500	5.0	200	—	—	6C	BC337.40
BC818	NPN HIGH CURRENT	30*	25	5 0	100	20	100	600	1.0	100	0 70	500	5.0	200	—	—		BC338
BC818.16	NPN HIGH CURRENT	30*	25	5.0	100	20	100	250	1.0	100	0.70	500	5.0	200	—	—	6E	BC338.16
BC818.25	NPN HIGH CURRENT	30*	25	5.0	100	20	160	400	1.0	100	0.70	500	5 0	200	—	—	6F	BC338.25
BC818.40	NPN HIGH CURRENT	30*	25	5.0	100	20	250	600	1.0	100	0.70	500	5.0	200	—	—	6G	BC338.40
BC846	NPN LOW NOISE	80	65	6.0	15	30	110	450	5.0	2 0	0.60	100	2 5	300	10	—		BC546
BC846A	NPN LOW NOISE	80	65	6.0	15	30	110	220	5 0	2 0	0.60	100	2.5	300	10	—	1A	BC546A
BC846B	NPN LOW NOISE	80	65	6.0	15	30	200	450	5 0	2 0	0.60	100	2.5	300	10	—	1B	BC546B
BC847	NPN LOW NOISE	50	45	6.0	15	30	110	800	5 0	2 0	0.60	100	2.5	300	10	—		BC547
BC847A	NPN LOW NOISE	50	45	6 0	15	30	110	220	5.0	2 0	0 60	100	2.5	300	10	—	1E	BC547A
BC847B	NPN LOW NOISE	50	45	6.0	15	30	200	450	5.0	2.0	0.60	100	2.5	300	10	—	1F	BC547B
BC847C	NPN LOW NOISE	50	45	6.0	15	30	420	800	5.0	2 0	0 60	100	2.5	300	10	—	1G	BC547C
BC848	NPN LOW NOISE	30	30	5.0	15	30	110	800	5.0	2.0	0.60	100	2.5	300	10	—		BC548
BC848A	NPN LOW NOISE	30	30	5.0	15	30	110	220	5.0	2 0	0 60	100	2.5	300	10	—	1J	BC548A
BC848B	NPN LOW NOISE	30	30	5.0	15	30	200	450	5.0	2.0	0 60	100	2.5	300	10	—	1K	BC548B
BC848C	NPN LOW NOISE	30	30	5.0	15	30	420	800	5.0	2 0	0.60	100	2 5	300	10	—	1L	BC548C
BC849	NPN LOW NOISE	30	30	5.0	15	30	200	800	5.0	2.0	0.60	100	2 5	300	4 0	—		BC549
BC849B	NPN LOW NOISE	30	30	5.0	15	30	200	450	5 0	2 0	0.60	100	2 5	300	4.0	—	2B	BC549B
BC849C	NPN LOW NOISE	30	30	5.0	15	30	420	800	5 0	2 0	0.60	100	2 5	300	4 0	—	2C	BC549C
BC850	NPN LOW NOISE	50	50	5.0	15	30	200	800	5.0	2 0	0.60	100	2.5	300	3 0	—		BC550
BC850B	NPN LOW NOISE	50	50	5.0	15	30	200	450	5.0	2.0	0.60	100	2.5	300	3.0	—	2F	BC550B
BC850C	NPN LOW NOISE	50	50	5 0	15	30	420	800	5 0	2 0	0.60	100	2.5	300	3 0	—	2G	BC550C
BC856	PNP LOW NOISE	80	65	5.0	15	30	75	800	5.0	2 0	0 65	100	4.5	150	10	—		BC556
BC856A	PNP LOW NOISE	80	65	5.0	15	30	125	250	5.0	2 0	0 65	100	4.5	150	10	—	3A	BC556A
BC856B	PNP LOW NOISE	80	65	5.0	15	30	220	475	5.0	2 0	0 65	100	4.5	150	10	—	3B	BC556B
BC857	PNP LOW NOISE	50	45	5 0	15	30	75	800	5.0	2 0	0 65	100	4.5	150	10	—		BC557
BC857A	PNP LOW NOISE	50	45	5.0	15	30	125	250	5.0	2 0	0 65	100	4.5	150	10	—	3E	BC557A
BC857B	PNP LOW NOISE	50	45	5 0	15	30	220	475	5.0	2 0	0 65	100	4 5	150	10	—	3F	BC557B
BC857C	PNP LOW NOISE	50	45	5 0	15	30	420	800	5.0	2 0	0.65	100	4 5	150	10	—	3G	BC557C
BC858	PNP LOW NOISE	30	30	5.0	15	30	75	800	5.0	2 0	0 65	100	4.5	150	10	—		BC558
BC858A	PNP LOW NOISE	30	30	5.0	15	30	125	250	5.0	2 0	0 65	100	4 5	150	10	—	3J	BC558A

*BV_{CES}