

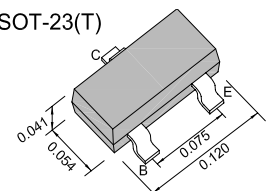
SMD General Purpose Transistors

SMD Bipolar Transistors

Part No.	Device Marking Code	Polarity	V _{CEO} (V)	I _C (A)	h _{FE} @ V _{CE} & I _C		V _{CE(sat)} @ I _C		f _T @ I _C		Package 7" Reel	Outline (Typ. in Inches)		
					Min.	Max.	V _{CE} (V)	I _C (mA)	Max.	I _C (mA)			Min.	I _C (mA)
													MHz	
MMBT2369	1J	NPN	15	0.50	20	-	2	100	0.25	10	-	-		
MMBT918	3B		15	0.35	20	-	1	3	0.4	10	600	4		
MMBT9013	13P/Q/R/S		20	0.50	100	600	1	50	0.6	500	-	-		
BC818	6H / 8G		25	0.50	100	600	1	100	0.70	500	100	10		
BCX20	U2		25	0.50	100	600	1	100	0.62	500	*200	10		
MMBT4124	5C		25	0.20	60	-	1	50	0.3	50	300	10		
MMBT8050	1HA/C/E/G		25	1.5	120	600	1	100	0.5	800	100	50		
BC848A	1J		30	0.10	110	220	5	2.0	0.60	100	*300	10		
BC848B	1K		30	0.10	200	450	5	2.0	0.60	100	*300	10		
BC848C	1L		30	0.10	420	800	5	2.0	0.60	100	*300	10		
BC849	2D / 8D		30	0.10	200	800	5	2.0	0.60	100	100	10		
MMBT4123	5B		30	0.20	25	-	1	50	0.3	50	250	10		
MMBT9014	14		30	0.10	150	1000	5	1	0.6	100	125	10		
BCW31	D1		32	0.10	110	220	5	2.0	0.25	10	*300	10		
BCW32	D2		32	0.10	200	450	5	2.0	0.25	10	*300	10		
BCW33	D3		32	0.10	420	800	5	2.0	0.25	10	*300	10		
BCW60A	AA		32	0.20	50	-	1	50	0.35	10	*250	10		
BCW65A	EA		32	0.80	35	-	2	500	0.7	500	100	20		
BF840	NC		40	0.03	-	-	-	-	-	-	*380	1		
BF841	ND		40	0.03	-	-	-	-	-	-	*380	1		
MMBT2222A	1P		40	0.60	100	300	10	150	1.00	500	300	20		
MMBT3904	1A/1AM/ZC		40	0.20	100	300	1	10.0	0.30	50	300	10		
MMBT4401	2X / M4A		40	0.60	100	300	1	150	0.4	150	250	20		
BC817-16	6D / 8FA		45	1.00	100	250	1	100	0.70	500	100	10		
BC817-25	6D / 8FB		45	1.00	160	400	1	100	0.70	500	100	10		
BC817-40	6D / 8FC		45	1.00	250	600	1	100	0.70	500	100	10		
BC847A	1E		45	0.10	110	220	5	2.0	0.60	100	*300	10		
BC847B	1F		45	0.10	200	450	5	2.0	0.60	100	*300	10		
BC847C	1G		45	0.10	420	800	5	2.0	0.60	100	*300	10		
BC850	2H / 8E		45	0.10	200	800	5	2.0	0.60	100	100	10		
BCW66F	EF		45	0.80	35	-	2	500	0.7	500	-	-		
BCW71	K1		45	0.10	110	220	5	2.0	0.25	10	*300	10		
BCW72	K2		45	0.10	200	450	5	2.0	0.25	10	*300	10		
BCW81	K3		45	0.10	420	800	5	2.0	0.25	10	*300	10		
BCX19	U1		45	0.50	100	600	1	100	0.62	500	*200	10		
BCX70G	AG		45	0.02	50	-	1	50	0.03	500	*250	10		
C945	CR		50	0.15	130	400	6	1	0.3	100	150	10		
BCV71	K7		60	0.10	110	220	5	2.0	0.25	10	*300	10		
BCV72	K8		60	0.10	200	450	5	2.0	0.25	10	*300	10		
MMBT8098	KA		60	0.50	75	-	5	100	0.4	100	150	10		
MMBTA05	1H/B05		60	0.50	100	-	1	100.0	0.25	100	100	10		
BC846A	1A		65	0.10	110	220	5	2.0	0.60	100	*300	10		
BC846B	1B		65	0.10	200	450	5	2.0	0.60	100	*300	10		
MMBT8099	KB		80	0.50	75	-	5	100	0.4	100	150	10		
MMBTA06	1G/1GM/B06		80	0.50	100	-	1	100.0	0.25	100	100	10		

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SOT-23(T)



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					Min.	Max.	V _{CE} (V)	I _C (mA)	Max. (V)	I _C (mA)	Min. (MHz)	I _C (mA)				
															7" Reel	
MMBT9012	12	PNP	20	0.50	100	600	1	50	0.60	500	-	-	3000			
BC808	5H / 9G		25	0.50	100	600	1	100	0.70	500	80	10				
BCX18	T2		25	0.50	40	-	1	500	0.62	500	*100	10				
MMBT4126	5E / C3		25	0.20	60	-	1	50	0.4	50	250	10				
MMBT8550	1HB/D/F/H		25	1.5	100	600	1	100	0.5	800	-	-				
BC858A	3J		30	0.10	110	220	5	2.0	0.65	100	*150	10				
BC858B	3K		30	0.10	200	450	5	2.0	0.65	100	*150	10				
BC858C	3L		30	0.10	420	800	5	2.0	0.65	100	*150	10				
BC859	4D / 9D		30	0.10	125	800	5	2.0	0.65	100	100	10				
MMBT4125	5D		30	0.20	25	-	1	50	0.4	50	200	10				
MMBT9015	15		30	0.10	150	1000	5	1	0.7	100	125	10				
BCW29	C1		32	0.10	120	260	5	2.0	0.30	10	*150	10				
BCW30	C2		32	0.10	215	500	5	2.0	0.30	10	*150	10				
BC807-16H	7A		45	0.50	100	250	1	0.1	0.7	500	*100	10				
BCW61A	BA		32	0.20	60	-	1	50	0.25	10	*180	10			3000	
2N3906S	ZA		40	0.20	-	300	1	10.0	0.20	10	300	10				
MMBT3906	2A	40	0.20	100	300	1	10.0	0.40	50	250	10					
MMBT4403	2T	40	0.60	100	300	2	150	0.4	150	200	20					
BC807-16	7A	45	0.50	100	250	1	100	0.70	500	100	10					
BC807-25	7B	45	0.50	160	400	1	100	0.70	500	100	10					
BC807-40	7C	45	0.50	250	600	1	100	0.70	500	100	10					
BC857A	3E	45	0.10	110	220	5	2.0	0.65	100	*150	10					
BC857B	3F	45	0.10	200	450	5	2.0	0.65	100	*150	10					
BC857C	3G	45	0.10	420	800	5	2.0	0.65	100	*150	10					
BC860	4H / 9E	45	0.10	125	800	5	2.0	0.65	100	100	10					
BCW67	DA	45	0.80	75	-	1	10	1.5	300	100	20					
BCW68F	DF	45	0.80	35	-	1	300	1.5	500	100	20					
BCW69	H1	45	0.10	120	260	5	2.0	0.3	10	*150	10					
BCW70	H2	45	0.10	215	500	5	2.0	0.3	10	*150	10					
BCX17	T1	45	0.50	40	-	1	500	0.62	500	*100	10					
BCX71G	BG	45	0.20	120	220	1	50	0.25	10	*180	10					
BCX71H	BH	45	0.20	80	310	1	50	0.25	10	*180	10					
MMBT200	N2	45	0.50	100	350	5	150	0.2	10	250	20					
MMBT200A	N2A	45	0.50	100	-	5	150	0.2	10	250	20					
MMBT5087	2Q	50	0.05	250	-	5	10	0.3	10	40	0.5					
BCW89	H3	60	0.10	120	260	5	2.0	0.30	10	*150	10					
MMBT2907A	2F	60	0.60	100	300	10	150.0	1.60	500	200	50					
MMBT8598	2K	60	0.50	75	-	5	5	0.4	100	100	10					
MMBTA55	2H/B55	60	0.50	100	-	1	100.0	0.25	100	50	100					
BC856A	3A	65	0.10	110	220	5	2.0	0.65	100	*150	10					
BC856B	3B	65	0.10	200	450	5	2.0	0.65	100	*150	10					
MMBT8599	2W	80	0.50	100	300	5	1	0.4	100	150	10					
MMBTA56	2GM/B56	80	0.50	100	-	1	100.0	0.25	100	50	100					
2SD1624	Y	NPN	50	3.00	100	400	2	100	0.5	2000	*150	50	1000			
BC869	CEC	PNP	20	1.00	100	375	1	500	0.5	1000	40	10				
BC869-16	CGC	PNP	20	1.00	100	250	1	500	0.5	1000	40	10				
BC869-25	CHC	PNP	20	1.00	160	375	1	500	0.5	1000	40	10				
MMBT3904WS	AM	NPN	40	0.20	100	300	1	10.0	0.30	50	300	10	3000			
MMBT2222AWS	P1	NPN	40	0.60	100	300	10	150	0.30	150	300	20				
MMBT3906WS	2A	PNP	40	0.20	100	300	1	10.0	0.40	50	250	10				

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					Min.	Max.	V _{CE} (V)	I _C (mA)	Max. (V)	I _C (mA)	Min. (MHz)	I _C (mA)		
PZT2222A	GT2222A	NPN	40	0.60	100	300	10	150	1.0	500	300	20	2500	
PZT3904	3904	NPN	40	0.20	100	300	1	10	0.30	50	300	10		
PZT2907A	2907A	PNP	60	0.60	100	300	10	150	1.6	500	200	50		
PZTA44	44	NPN	400	1	50	300	10	10	0.375	20	-	-		
TRG201CWT	BA	NPN + PNP	50	0.1	50	*80	5	10	0.3	10	*200	5	4000	
TRG201CWS	BA	NPN + PNP	50	0.1	50	*80	5	10	0.3	10	*200	5	3000	
BCS857CSH	57C	PNP	45	0.1	420	800	5	2.0	0.65	100	*200	10		
MBT3904DW	MA	NPN + NPN	40	0.20	100	300	1	10.0	0.30	50	300	10	3000	
MBT3946DW	46	NPN + PNP	40	0.20	100	300	1	10.0	0.30 0.40	50	300 250	10		

Note : * = TYP