







General purpose transistors portfolio




Single transistors

Package						SOT23	SOT346 (SC-59)	SOT323 (SC-70)	SOT416 (SC-75)	SOT883 (SC-101)	SOT54 (TO-92)
$P_{Tot} \text{ max.}$						250 mW	250 mW	200 mW	150 mW	250 mW	850 mW
Polarity	I_C (mA)	V_{CE0} (V)	$h_{FE} \text{ min.}$	$h_{FE} \text{ max.}$	f_T min. (MHz)						
NPN	100	25	450		100			PMST5089			
		30	110 - 200	450 - 800	100	BC848B		BC848W			
			350		100			PMST5088			
		40	120 - 270	270 - 560	100			2PC4081Q / R / S	2PC4617Q / R / S	2PC4617QM / RM / SM	
			200	450	100						PSS9014C
		45	110 - 420	220 - 800	100	BC847 / A / B / C		BC847W / AW / BW / CW	BC847AT / BT / CT	BC847AM / BM / CM	BC547 / A / B / C
	500		1250	100	PMBT6429		PMST6429				
	160 - 290		260 - 460	100 - 140		2PD601AQ / R / S	2PD601AQW / RW / SW				
	150	50	200	400	150						2PC945P
		65	110 - 200	220 - 450	100	BC846 / A / B		BC846W / AW / BW	BC846AT / BT		BC546A / B
		80	20	80	60	BSS64					
		50	120 - 350	240 - 700	80						2PC1815Y / GR / BL
	500	20	112 - 144	166 - 202							PSS9013G / H
		45	100 - 250	250 - 600	100	BC817 / -16 / -25 / -40		BC817W / -16W / -25W / -40W			BC337 / -16 / -25 / -40
			160	400	80						JC337-25
		50	100	600	100	BCX19					
		50	85 - 170	170 - 340	140 - 180		2PD602AQ / R / S	2PD1820AQ / R / S			
		60	50		100			PMSTA05			
PNP	100	30	125 - 220	500 - 800	100	PMBTA06		PMSTA06			MPSA06
		32	120	500	100	BC858B		BC858W			
		40	120 - 270	270 - 560	100			BCW29 / 30			
		45	100	300	100			2PA1576Q / R / S	2PA1774Q / R / S	2PA1774QM / RM / SM	
			125 - 420	250 - 800	100	BC857 / A / B / C		BC857W / AW / BW / CW	BC857AT / BT / CT	BC857AM / BM / CM	BC557 / A / B / C
		200	400	100						2PA733 P	
	50	160 - 290	260 - 460	60 - 80		2PB709AQ / R / S	2PB709AQW / RW / SW				
	65	125 - 200	250 - 475	typ. 150	BC856 / A / B		BC856W / AW / BW	BC856AT / BT		BC556 / A / B	
	100	30		typ. 85	BSS63						
	150	50	120 - 200	240 - 400	80						2PA1015Y / GR
		20	112 - 144	166 - 202							PSS9012G / H
		45	100 - 250	250 - 600	80	BCX18					
			100 - 250	250 - 600	80	BC807 / -16 / -25 / -40		BC807W / -16W / -25W / -40W			BC327 / -16 / -25 / -40
	160	400	80						JC327-25		
	100	600	80	BCX17							
	50	85 - 170	170 - 340	100 - 140		2PB710AQ / R / S	2PB1219AQ / R / S				
	60	50		50			PMSTA55				
	80	100		50	PMBTA56		PMSTA56			MPSA56	




General features

- Extensive range of double and single functions
- 320 different products
- Broad range of SMD and leaded package options
- Leaded 1006 sized SOT883 (SC-101) package

Double transistors

Package						SOT457 (SC-74)	SOT363 (SC-88)	SOT666
P _{tot} max.						600 mW	300 mW	300 mW
Polarity	I _C (mA)	V _{CEO} (V)	h _{FE} min.	h _{FE} max.	f _T min. (MHz)			
NPN	100	40	120	450	100		PUMX1	PEMX1
		45	200	450	100		BC847BS	BC847BV
		65	110	450	100		BC846S	
PNP	100	40	120	450	100	PIMT1	PUMT1	PEMT1
		45	200	450	100		BC857BS	BC857BV
		65	110	450	100		BC856S	
NPN/PNP	100	40	120	450	100		PUMZ1	PEMZ1
		45	200	450	100		BC847BPN	BC847BYN
		65	110	450	100	PIMZ2	PUMZ2	
PNP	500	45	160	400	80	BC807DS		
		45	160	400	80			PEMZ7
NPN	500	40	120	450	100			
		45	160	400	80	BC817DPN		

Medium power single transistors

Package						SOT223 (SC-73)	SOT89 (SC-62)	SOT54 (TO-92)
P _{tot} max.						1250 mW	1300 mW	850 mW
Polarity	I _C (mA)	V _{CEO} (V)	h _{FE} min.	h _{FE} max.	f _T min. (MHz)			
NPN	1000	20	85	375	40	BCP68 / -25	BC868 / -25	BC368
		45	100	160 - 250	100	BCP54 / -10 / -16	BCX54 / -10 / -16	BC635 / -16
		60	63 - 100	160 - 250	typ. 115	BCP55 / -10 / -16	BCX55 / -10 / -16	BC637 / -16
	1500	80	100	300	100	BSP41	BSR40 / 41	
		63 - 100	160 - 250	100	BCP56 / -10 / -16	BCX56 / -10 / -16	BC639 / -10 / -16	
		100	300	100	BSP43	BSR42 / 43		
PNP	1000	20	100 - 160	200 - 300	100			PSS8050C / D
		45	63 - 100	160 - 250	typ. 115	BCP69 / -16 / -25	BC869 / -16 / -25	BC369 / -16 / -25
		60	63 - 100	160 - 250	100	BCP51 / -10 / -16	BCX51 / -10 / -16	BC636 / -10 / -16
	1500	80	40 - 100	120 - 300	100	BCP52 / -10 / -16	BCX52 / -10 / -16	BC638 / -16
		63 - 100	160 - 250	typ. 115	BCP53 / -10 / -16	BCX53 / -10 / -16	BC640 / -16	
		40 - 100	120 - 300	100	BSP32 / 33	BSR33		



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