

TO-220

POWER PACKAGE TRANSISTORS (PNP)

Maximum Ratings					Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)													
Type No.	V _{CB0} (V)	V _{CEO} (V)	V _{EBO} (V)	P _D (W)	I _{CB0} (μA)	V _{CB} (V)	h _{FE}	I _C (A)	V _{CE} (V)	V _{CE} (Sat) (V)	V _{BE} (Sat) (V)	I _C (A)	I _{CES} (μA)	V _{CE} (V)	C _{ob} (pF)	f _T (MHz)	I _C (mA)	
	Min	Min	Min	@ Tc=25°C	Max		Min	Max		Max	Min	Max	Max		Max	Min	Typ	Max
MJE350T	300	300	3	21	100	300	30	240	0.05	10								
2SA940	150	150	5	25	10	120	40	140	0.50	10	1.5				55		4	500
BD240C	115	100	5	30			40		0.20	4	0.7		1.0	200	100	3.0		200
							15		1.00	4								
BD242C	115	100	5	40			25		1.00	4			3.0	200	100	3.0		500
							10		3.00	4								
BD244C	100	100	5	65			30		0.30	4	1.5		6.0	400	100	3.0		500
							15		3.00	4								
TIP32C	100	100	5	40			10	50	3.00	4	1.2		3.0	200	100	3.0		500
							25		1.00	4								
TIP42C	100	100	5	65			15	75	3.00	4	1.5		6.0			3.0		500
							30		0.30	4								
TIP127	100	100	5	65	200	100	1000		3.00	3	2.0		3.0		200			
							1000		0.50	3	4.0		5.0					
BD242B	90	80	5	40		25			1.00	4	1.2		3.0	200	80	3.0		500
							10		3.00	4								
BD244B	80	80	5	65			30		0.30	4	1.5		6.0	400	80	3.0		500
							15		3.00	4								
TIP32B	80	80	5	40			10	50	3.00	4	1.2		3.0	200	80	3.0		500
									1.00	4								
TIP42B	80	80	5	65			15	75	3.00	4	1.5		6.0			3.0		500
							30		0.30	4								
TIP126	80	80	5	65	200	80	1000		3.00	3	2.0		300					
							1000		0.50	3	4.0		5.0					
2N6107	80	70	5	40			30	150	2.00	4	3.5		7.0		250	10.0	4	500
							2		7.00									
BD242A	70	60	5	40			25		1.00	4	1.2		3.0	200	60	3.0		500
							10		3.00	4								
BD244A	60	60	5	65			30		0.30	4	1.5		6.0	400	60	3.0		500
							15		3.00	4								
MJE2955T	70	60	5	75	1000	70	20	100	4.00	4	1.1		4.0			2.0		500
							5		10.00	4	8.0		10.0					
TIP32A	60	60	5	40			10	50	3.00	4	1.2		3.0	200	60	3.0		500
							25		1.00	4								
TIP42A	60	60	5	65			15	75	3.00	4	1.5		6.0			3.0		500
							30		0.30	4								
							•											
2N6109	60	50	5	40			30	150	2.50	4	3.5		7.0		250	10.0		500
							2		7.00	4								

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Type No.	V _{CB0} (V)	V _{CEO} (V)	V _{EB0} (V)	P _D (W)	I _{CB0} (μA)	β	V _{CB} (V)	h _{FE}	β	I _C (A)	β	V _{CE} (V)	V _{CE(Sat)} (V)	β	V _{BE(Sat)} (V)	β	I _C (A)	I _{CES} (μA)	β	V _{CE} (V)	C _{ob} (pF)	f _T (MHz)	β	I _C (mA)	
	Min	Min	Min	@ Tc=25°C	Max			Min	Max				Max	Min	Max			Max	Max		Max	Max	Min	Typ	Max
2SB856	50	50	4	25	10	10		35	200	1.0	4		1.2		2.0			90	10.0					500	
								35		0.10	4														
2SB856A	50	50	4	25	10	20		35	70	1.00	4		1.5		2.0			90	10.0					500	
								35		0.10															
2SB856B	50	50	4	25	10	20		60	120	1.00	4		1.2		2.0			90	10.0					500	
								35		1.00	4														
2SB856C	50	50	4	25	10	20		100	200	1.00	4		1.2		2.0			90	10.0					500	
								35		0.10	4														
BD242	55	45	5	40				25		1.00	4		1.2		3.0	200	45		3.0					500	
								10		3.00	4														
BD244	45	45	5	65				30		0.30	4		1.5		6.0	400	45		3.0					500	
								15		3.00	4														
TIP32	40	40	5	40				10	50	3.00	4		1.2		3.0	200	40		3.0					500	
								25		1.00	4														
TIP42	40	40	5	65				15	75	3.0	4		1.5		6.0				3.0					500	
								30		0.30	4														
2N6111		30		40				30	150	3.00	4		1.0		3.0							4		7000	

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