

TO-3 Power Package Transistors (NPN)

Type No.	Maximum Ratings								Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)									
	V _{CBO} (V)	V _{CEO} (V)	V _{EBO} (V)	P _D (W)	I _C (A)	I _{CBO} (μA)	V _{CB} @ (V)	I _{CES} (μA)	V _{CE} @ (V)	h _{FE} @	I _C & V _{CE} (A) (V)	V _{CE(SAT)} (V) &	V _{BE(SAT)} (V)	I _C @ (A)	C _{ob} (pF)	f _t (MHz)	@ I _C (mA)	
	Min	Min	Min	@ Tc=25°C		Max		Max		Min	Max	Max	Max		Max	Min	Typ	Max
2SC1942	1500	800	6	50	3	10	600					5	0.8	1.5	2.5			
2SD1168	1500	400	6	50	5			1000	1500	9	25	1	4	1	1.5	2		
2SD1168P	1500	800	5	50	5			1000	1500	9	18	1	4	1	1.5	2		
2SD1168Q	1500	800	5	50	5			1000	1500	15	25	1	4	1	1.5	2		
2SD200	1500	700	5	10	2.5	1000	1500	1000	1500	2.5		2	5	5	1.5	2		
2SD869	1500	600	5	50	4	10	500			8		0.5	5	8		3	3	100
2SD870	1500	600	5	50	5	10	500			8		1	5	5	1.5	4	4	100
2SD871	1500	600	5	50	6	10	500			8		1	5	5	1.5	5	3	100
BDY20	60	60	7	120	15					20	70	4	4	3		15	1	1000
BDY38	50	40	7	115	6	1000	50	1000	50	30		2	4	0.7		2	1	
BDY55	100	60	7	117	15			\$5000	100	30		0.2	4	1.1		4	10	1000
										20	70	4	4	2.5		10		
										10		10	4					
BDY73	60	60	7	115	15					50	150	4	4			15		
BU109	330	150	6	60	7			5000	330					1	1.2	5	10	500
								100	200									
BU204	#1300	600	5	36	3			1000	1300	2.5	2	5	5	1.5	2	50	4	100
BU205	#1500	700	5	36	2.5			1000	1500	2.5	2	5	5	1.5	2	50	8	100
BU207	#1300	600	5	13	5			1000	1300	2.25	4.5	5	5	1.5	4.5	125	4	100
BU208	#1500	700	5	13	5			1000	1500	2.25	4.5	5	5	1.5	4.5	125	4	100
BU208A	#1500	700	5	80	5			1000	1500	2.5	4.5	5	5	1.5	4.5	125	4	100
BU208D	#1500	700	5	80	5			1000	1500	8	1.5	5	5	1.5	4.5		4	100
										2.25	4.5	5	1	1.5	4.5		4	100
BU326	# 800	375	10	75	6			1000	800	**	25	1	5	1.5	1.4	2.5	6	200
										3		1.6	4					
BU326A	# 900	400	10	75	6			1000	900	**	25	1	5	1.5	1.4	2.5	6	200
										3		1.6	4					
BU608	400	200	6	90	7	100	330	\$5000	400					1.0	1.5	6	10	500
CDN055	50	50	5	50	5	200	50			25	100	2	2	1		2		

#NOTE: V_{CEs}
 ** : Typical Value
 \$: I_{CEV}