

TO-92 Plastic Package Transistors (NPN)

Maximum Ratings						Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																								
Type No.	V _{CBO} (V) Min	V _{CEO} (V) Min	V _{EBO} (V) Min	P _D (W) @Tc=25°C	I _C (A)	I _{CBO} (μA) Max	V _{CB} @ (V)	I _{CES} (μA) Max	V _{CE} @ (V)	h _{FE} @ Min	h _{FE} @ Max	I _C & (mA)	V _{CE} (V)	V _{CE(SAT)} (V) Max	V _{BE(SAT)} (V) Min	V _{BE(SAT)} (V) Max	I _C @ (mA)	C _{ob} (pF) Typ	C _{ob} (pF) Max	f _t (MHz) Min	f _t (MHz) Typ	f _t (MHz) Max	I _C (mA)	t _(off) (ns) Max	N _F (dB) Max	@ Freq (MHz)	C _{re} (pF) Max	CDIL Case Style		
PN3569	80	40	5	0.625	0.5	0.05	40			100	300	150	1	0.25			150	20		3		30	50							TO-92
PN3641	60	30	5	0.6	0.5			0.05	50	15		500	10	0.22			150	8		150			50						TO-92	
PN3642	60	45	5	0.6	0.5			0.05	50	15		500	10	0.22			150	8		150			50						TO-92	
PN3643	60	30	5	0.6	0.5			0.05	50	25		500	10	0.22			150	8		250			50						TO-92	
PN3694	45	45	4	0.625	0.1	0.05	30			100	400	10	1					6		200			10						TO-92	
PN4140	60	30	5	0.6	0.5					20		500	10	0.4		1.3	150	8		250			20	310					TO-92	
										20		150	1	1.6		2.6	500													
										40		120	10																	
										35		10	10																	
										25		1	10																	
										20		0.1	10																	
PN4141	60	30	5	0.6	0.5					30		500	10	0.4		1.3	150	8		250			20	310					TO-92	
										50		150	1	1.6		2.6	500													
										100	300	150	10																	
										75		10	10																	
										50		1	10																	
										35		0.1	10																	
PN4274	30	12	5	0.625	0.2	0.5	20			18		100	1	0.2	0.7	0.85	10	4		400			10	12					TO-92	
										30		30	0.4	0.25		1.15	30													
										35	120	10	1	0.5		1.6	100													
PN4275	\$ 40	15	5	0.625	0.2	0.5	20			18		100	1	0.2	0.72	0.85	10	4		400			10	12					TO-92	
										30		30	0.4	0.25		1.15	30													
										35	120	10	1	0.5		1.6	100													
PN5127	20	12	3	0.625	0.1	0.05	10			15	300	2	10	0.3		1	10	3.5		150			2						TO-92	
PN5128	15	12	3	0.625	0.5	0.05	10			35	350	50	10	0.25		1.1	150	10		150			800	50					TO-92	
										20		10	10																	
PN5129	15	12	3	0.625	0.5	0.05	10			35	350	50	10	0.25		1.1	150	10		150			800	50					TO-92	
										20		10	10																	
PN5130	30	12	1	0.625	0.05	0.05	10			15	250	8	10	0.6		1	10	1.7		450			8						TO-92	
PN5131	20	15	3	0.625	0.1	0.05	10			35	500	10	1	1			10	6		100			10						TO-92	
PN5132	20	20	3	0.625	0.1	0.05	10			30	400	10	10	2		0.9	10	3.5		200			10						TO-92	
PN5133	20	18	3	0.625	0.05	0.05	15			60	1000	1	5	0.4			1	5		40			240	1					TO-92	
PN5135	30	25	4	0.625	0.5	0.3	15			50	60	10	10	1		1	100	25		2			15	30					TO-92	
										15		2	10																	
PN5136	30	20	3	0.6	0.5	0.1	20			20	400	150	1	0.25		1.1	150	35		2			20	50					TO-92	
										20		30	1																	
PN5137	30	20	3	0.6	0.5	0.1	20			20	400	150	1	0.25		1.1	150	35		2			20	50					TO-92	
										20		30	1																	
PN5179	20	15	3	0.35		0.002	15			25	250	3	1	0.4		1	10	1		900			2000	5		4.5	200		TO-92-3	
PN5449	50	30	5	0.625	0.6	0.1	20			100	300	50	2	0.6			100			100			50						TO-92	
PN5816	50	40	5	0.625	0.6	0.1	25			100	200	2	2	0.75		1.2	500			100			50						TO-92	

\$ NOTE: V_{CE}S

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