

TO-237 PLASTIC PACKAGE TRANSISTORS (PNP)

Maximum Ratings							Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)														
Type No.	V _{CB0} (V)	V _{CE0} (V)	V _{EBO} (V)	P _D (W)	I _C (A)	I _{CM} (A)	I _{CB0} (μA)	V _{CB} (V)	h _{FE} @	I _C & V _{CE}	V _{CE(SAT)} (V) & V _{BE(SAT)} (V)	I _C @ (mA)	C _{ob} (pF)	f _i (MHz)	t(off) (ns)	CDIL Case Style					
	Min	Min	Min	@Tc=25°C			Max		Min Max	(mA) (V)	Max Min Max	(mA)	Typ Max	Min Typ Max	Max						
CSA10130	160	160	6	0.9	1		1	150	100	200	200	5	1.5	500	35	15	50	200	TO-237-1		
CSA1013R	160	160	6	0.9	1		1	150	60	120	200	5	1.5	500	35	15		200	TO-237-1		
CSA1013Y	160	160	6	0.9	1		1	150	160	320	200	5	1.5	500	35	15		200	TO-237-1		
CSA931	80	60	6	1	0.7		0.1	60	40	240	50	2	0.7	1.2	500		50	100	50	TO-237-1	
CSA9310	80	60	6	1	0.7		0.1	60	70	140	50	2	0.7	1.2	500		50	100	50	TO-237-1	
CSA931R	80	60	6	1	0.7		0.1	60	40	80	50	2	0.7	1.2	500		50	100	50	TO-237-1	
CSA931Y	80	60	6	1	0.7		0.1	60	120	240	50	2	0.7	1.2	500		50	100	50	TO-237-1	
CTN369		20	5	0.75	0.5		10	25	50	85	375	500	1	0.5		1000	45	60	10	TO-237-2	
									60		1000	1									
CTN491	200	200	6	0.75	0.5		0.1	160	25		1	10	2		2	20		50		10	TO-237
									40		10	10									
CTN492	250	250	6	0.75	0.5		0.1	200	25		1	10	2		2	20		50		10	TO-237
									40		10	10									
CTN493	300	300	6	0.75	0.5		0.1	200	25		1	10	2		2	20		50		10	TO-237
									40		10	10									
CTN636	45	45	5	1	1	1.5	10	30	25	250	5	2	0.5	1	1	9		130	1000		TO-237
									40		150	2									
									25		500	2									
CTN640	100	80	5	1	1	1.5	10	30	25	160	5	2	0.5	1	1	9		130	10		TO-237
									40		150	2									
									25		500	2									
TN2904A	60	60	5	0.75	0.6		0.01	50	40		0.1	10	0.4	1.3	150	8	200		50	175	TO-237-2
									40		1	10	1.6	2.6	500						
									40		10	10									
									40	120	150	10									
									40		500	10									
TN2905	60	40	5	0.75	0.6		0.02	50	30		500	10	0.4	1.3	150	8	200		50	200	TO-237-2
									100	300	150	10	1.6	2.6	500						
									75		10	10									
									50		1	10									
									35		0.1	10									
TN2905A	60	60	5	0.75	0.6	0.6	0.01	50	50		500	10	0.4	1.3	150	8	200		50	200	TO-237-2
									100	300	150	10	1.6	2.6	500						
									100		10	10									
									100		1	10									
									75		0.1	10									
TN369		20	5	2.5			10	25	50	85	375	500	1	0.5		1000	45	60	10		TO-237-2
									60		1000	1									
TN4030	60	60	5	0.75	0.5		0.05	50	30		0.1	5	0.5		500	20	100		400	50	TO-237-2
									40	120	100	5	0.15	0.9	150						
									25		500	5	1		1000						
									15		1000	5									
TN4033	80	80	5	0.75	0.5		0.05	60	75		0.1	5	0.15	0.9	150	20	150		500	50	TO-237-2
									100	300	100	5	0.5		500						
									70		500	5									
									25		1000	5									