

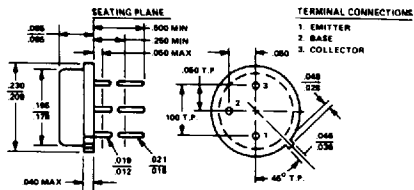
# PARAMETER TABLES

COLLECTOR CURRENT = 2 AMPS NPN TYPES

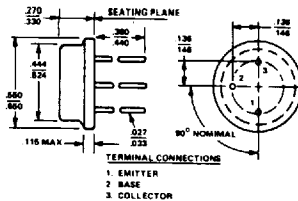
Device No	Case	VCBO Volts	V <sub>CEO</sub> (sus) Volts	VEBO Volts	hFE		VCE	IC	VCE (sat)	VBE (sat)	@ IC	@ IB	θ <sub>JC</sub> °C/W	F <sub>t</sub> MHz
					Min	Max								
2N1252	TO-5	30	20	5	35	45	10	.2	1.5	1.3	.2	.02	25	80
2N1253	TO-5	30	20	5	45		10	.2	1.5	1.3	.2	.02	25	80
2N1506	TO-5	60	40	4	10	100	28	.1	1.5	1.5	.2	.05	25	80
2N1506A	TO-5	80	80	5	10	100	28	.1	.6	1.5	.2	.05	25	80
2N1714	TO-5	90	60	6	20	60	5	.2	2	1.6	.2	.02	25	80
2N1715	TO-5	150	100	6	20	60	5	.2	2	1.6	.2	.02	25	80
2N1716	TO-5	90	60	6	40	120	5	.2	2	1.6	.2	.02	25	80
2N1717	TO-5	150	100	6	40	120	5	.2	2	1.6	.2	.02	25	80
2N1718	TO-5	90	60	6	20	60	5	.2	2	1.6	.2	.02	25	80
	STUD													
2N1719	TO-5	150	100	6	20	60	5	.2	2	1.6	.2	.02	25	80
	STUD													
2N1720	TO-5	90	60	6	40	120	5	.2	2	1.6	.2	.02	25	80
	STUD													
2N1721	TO-5	150	100	6	40	120	5	.2	2	1.6	.2	.02	25	80
	STUD													
2N1889	TO-5	100	60	7	40	120	10	.15	5	1.3	.1	.01	25	80
2N1890	TO-5	100	60	7	100	300	10	.15	5	1.3	.1	.01	25	80
2N1974	TO-5	100	60	7	35		10	.1	1.2	1.8	.1	.01	25	80
2N1975	TO-5	100	60	7	15		10	.1	1.2	1.8	.1	.01	25	80
2N2987	TO-5	95	80	7	25	75	5	.2	.8	1	.2	.02	25	80
2N2988	TO-5	155	100	7	25	75	5	.2	.8	1	.2	.02	25	80
2N2989	TO-5	95	80	7	60	120	5	.2	.8	1	.2	.02	25	80
2N2990	TO-5	155	100	7	60	120	5	.2	.8	1	.2	.02	25	80
2N2991	TO-5	95	80	7	25	75	5	.2	3	1.4	.5	.05	25	80
	STUD													
2N2992	TO-5	155	100	7	25	75	5	.2	3	1.4	.4	.05	25	80
	STUD													
2N2993	TO-5	95	80	7	60	120	5	.2	3	1.4	.5	.05	25	80
	STUD													
2N2994	TO-5	155	100	7	60	120	5	.2	3	1.4	.5	.05	25	80
	STUD													
2N3665	TO-5	120	80	8	40	120	10	.2	1.2	1.8	.5	.05	25	80
2N3666	TO-5	120	80	8	100	300	10	.2	1.2	1.8	.5	.05	25	80
2N3766	TO-66	80	60	6	40	160	10	.5	2.5	1.5	1	.1	6	80
2N3767	TO-66	100	80	6	40	160	10	.5	2.5	1.5	1	.1	6	80
2N3917	TO-3	80	40	6	30	120	4	1	1.2	1.5	1	.1	6	80
2N3918	TO-3	80	40	6	100	300	4	1	1.2	1.5	1	.1	6	80
2N4000	TO-5	100	80	8	30	120	2	.5	.5	1.2	1	.1	25	80
2N4001	TO-5	120	100	8	40	120	2	.5	.5	1.2	1	.1	25	80
2N4237	TO-5	50	40	6	30	120	1	.25	.6	1.5	1	.1	25	80
2N4238	TO-5	80	60	6	30	120	1	.25	.6	1.5	1	.1	25	80
2N4239	TO-5	100	80	6	30	120	1	.25	.6	1.5	1	.1	25	80
2N4240	TO-5	500	300	6	30	150	10	1	1	1.8	.75	.075	5	10
2N4862	TO-46	140	120	8	50	150	2	.5	.2	1.2	.5	.05	25	80
2N4863	TO-5	140	120	8	50	150	2	.5	.2	1.2	.5	.05	25	80
2N4864	TO-66	140	120	8	50	150	2	.5	.2	1.2	.5	.05	6	80
2N4910	TO-66	40	40	5	20	100	1	.5	.6	1.3	1	.1	6	4
2N4911	TO-66	60	60	5	20	100	1	.5	.6	1.3	1	.1	6	4
2N4912	TO-66	80	80	5	20	100	1	.5	.6	1.3	1	.1	6	4
2N5050	TO-66	125	125	6	25	100	5	.75	1	1.2	.75	.1	3.7	10
2N5051	TO-66	150	150	6	25	100	5	.75	1	1.2	.75	.1	3.7	10
2N5052	TO-66	200	200	6	25	100	5	.75	1	1.2	.75	.1	3.7	10
2N5660	TO-66	250	200	6	40	120	5	1	.4	1.2	1	.1	5	60
2N5661	TO-66	400	300	6	25	75	5	1	.4	1.2	1	.1	4	60
2N5662	TO-5	250	200	6	40	120	5	1	.4	1.2	1	.1	20	60
2N5663	TO-5	400	300	6	25	75	5	1	.4	1.2	1	.1	20	60
2N5681	TO-5	100	100	4	40	150	2	.3	.6	1	.2	.02	25	80
2N5682	TO-5	120	120	4	40	150	2	.3	.60	1	.2	.02	25	80

# PHYSICAL DIMENSIONS - PACKAGES

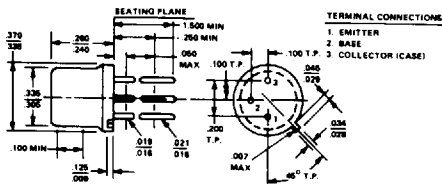
TO-46



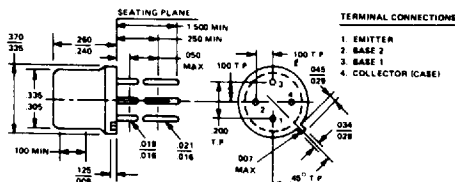
TO-8



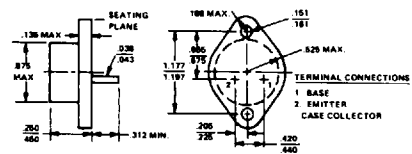
TO-5



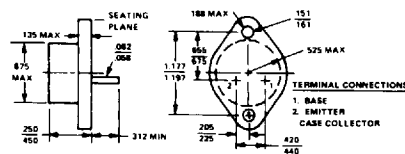
TO-33



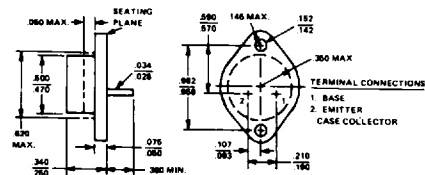
TO-3



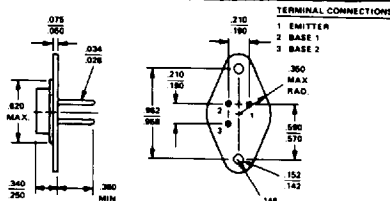
TO-3 (60 mil pins)



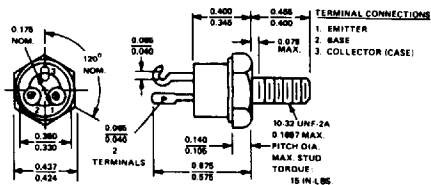
TO-66



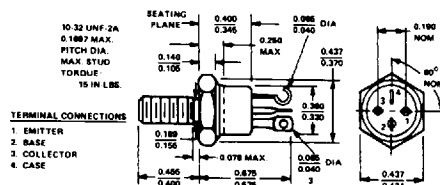
3 PIN TO-66



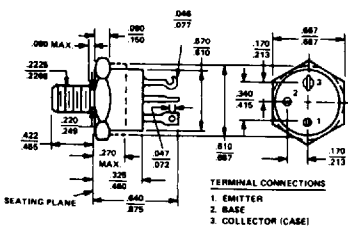
TO-111



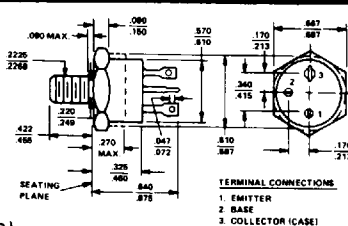
TO-111 (ISOLATED)



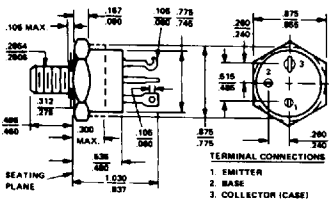
TO-61



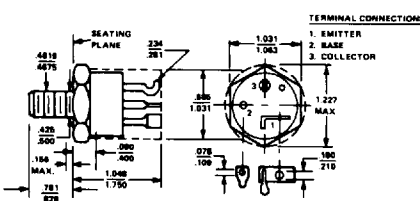
TO-61 (ISOLATED)



TO-63



TO-114



ALL DIMENSIONS IN INCHES