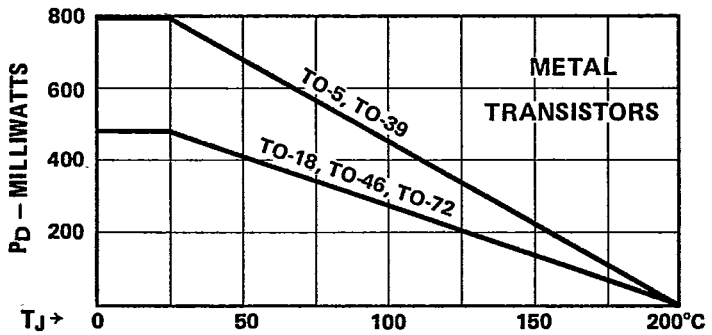
PNP METAL CAN – SATURATED SWITCH (Cont'd.)

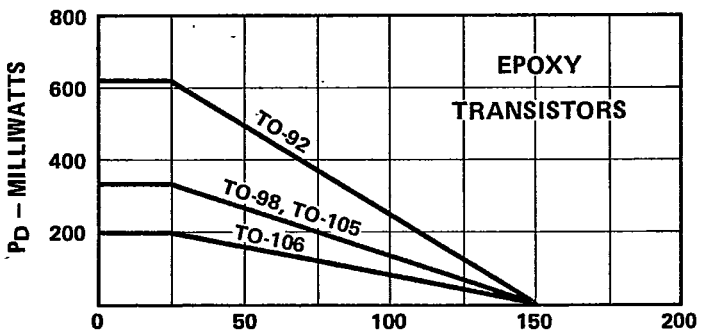
TYPE NO.	V_{CB}	V_{CE}	V_{EB}	h_{FE} at		I_C	V_{CE}	$V_{CE(s)}$ at	I_C	f_T	C_{ob}	t_{on}	t_{off}	I_{CBO} at	V_{CB}	CASE
	V	V	V	min	ma	mA	V	V	mA	MHz	pF	nS	nS	μA	V	
2N3250	50	40	5	50	150	10	1	.25	10	250	6	35	50	.02	40	TO-18
2N3250A	60	60	5	50	150	10	1	.25	10	250	6	35	50	.02	40	TO-18
2N3251A	60	60	5	100	300	10	1	.25	10	300	6	35	50	.02	40	TO-18
2N3304	6	6	4	30	120	10	0.3	0.5	50	500	3.5	60	60	.010	3	TO-18
2N3545	20	20	5	40	120	10	1.0	0.5	100	250	8	60	90	—	—	TO-18
2N3576	20	15	5	40	120	10	1.0	0.5	100	400	4.5	30	50	—	—	TO-18
2N4034	40	40	5	70	200	10	1	0.3	50	400	2.2	40	150	.015	30	TO-18
2N4035	40	40	5	150	300	10	1	0.3	50	450	2.2	40	150	.015	30	TO-18
2N4207	6	6	4	50	120	10	0.3	0.15	10	650	3	—	15	.01	3	TO-18
2N4208	12	12	4	30	120	10	0.3	0.15	10	700	3	—	20	.01	6	TO-18
2N4209	15	15	4	50	120	10	0.3	0.18	10	850	3	—	20	.01	8	TO-18
2N5056	20	15	4	30	100	30	1.0	0.13	30	600	4.5	—	30	—	—	TO-18
2N5057	20	15	4	40	100	30	1.0	0.19	30	800	4.5	—	30	—	—	TO-18

PNP METAL CAN – LOW NOISE LEVEL AMPLIFIER

TYPE NO.	V_{CB}	V_{CE}	V_{CE}	h_{FE} at		I_C	V_{CE}	$V_{CE(s)}$ at	I_C	f_T	C_{ob}	NF	t_{off}	I_{CBO} at	V_{CB}	CASE
	V	V	V	min	max	mA	V	V	mA	MHz	pF	dB	nS	μA	V	
2N327A	50	40	20	9	22	3	5	0.3	5	2	10	—	—	—	—	TO-5
2N327B	50	40	20	9	22	3	5	0.3	5	2	10	—	—	—	—	TO-5
2N328A	50	35	20	18	44	3	5	0.5	5	2	10	—	—	—	—	TO-5
2N328B	50	35	20	18	44	3	5	0.5	5	2	10	—	—	—	—	TO-5
2N329A	50	30	20	36	88	3	5	0.6	5	2	10	—	—	—	—	TO-5
2N329B	50	30	20	36	88	3	5	0.6	5	2	10	—	—	—	—	TO-5
2N2861	25	20	5	30	120	.01	5	0.2	10	200	6	3	—	—	—	TO-18
2N2862	25	20	5	12	120	.01	5	0.2	10	150	6	4	—	—	—	TO-18
2N3547	60	60	6	100	500	1.0	5	1.0	10	45	8	5	—	.025	45	TO-18
2N3548	60	45	6	100	300	.01	5	1.0	10	60	8	4	—	.01	45	TO-18
2N3549	60	60	6	100	500	.01	5	1.0	10	60	8	4	—	.01	45	TO-18
2N3550	60	45	8	200	600	.01	5	0.5	5	60	8	4	—	.01	45	TO-18
2N3962	60	60	6	100	450	1.0	5	.25	10	40	6	3	—	.01	50	TO-18
2N3963	80	80	6	100	450	1.0	5	.25	10	40	6	3	—	.01	70	TO-18
2N3964	45	45	6	250	600	1.0	5	.25	10	40	6	2	—	.01	40	TO-18
2N3965	60	60	6	250	600	1.0	5	.25	10	40	6	2	—	.01	50	TO-18
2N4359	60	45	5	50	500	.01	5	—	—	—	—	5	—	—	—	TO-18
2N4412	40	30	5	100	500	.01	5	0.2	10	—	8	2.0	—	.01	—	TO-5
2N4412A	60	60	5	100	500	.01	5	0.2	10	—	—	2.0	—	.01	—	TO-5
2N4413	40	30	5	100	500	.01	5	0.2	10	—	8	2.0	—	.01	—	TO-18
2N4413A	60	60	5	100	500	.01	5	0.2	10	—	8	2.0	—	.01	—	TO-18
2N4414	40	30	5	40	500	.01	5	0.2	10	—	8	2.0	—	.01	—	TO-5
2N4414A	60	60	5	40	500	.01	5	0.2	10	—	8	2.0	—	.01	—	TO-5
2N4415	40	30	5	40	500	.01	5	0.2	10	—	8	2.0	—	.01	—	TO-18
2N4415A	60	60	5	40	500	.01	5	0.2	10	—	8	2.0	—	.01	—	TO-18

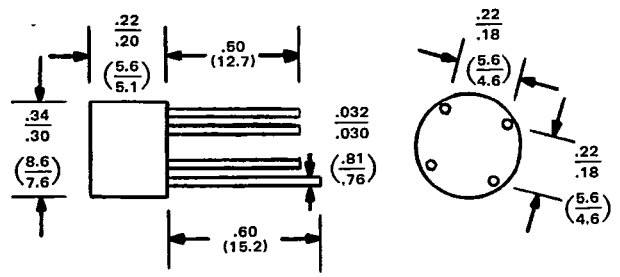
POWER DERATING CURVES – FREE AIR (T_A = 25°C)



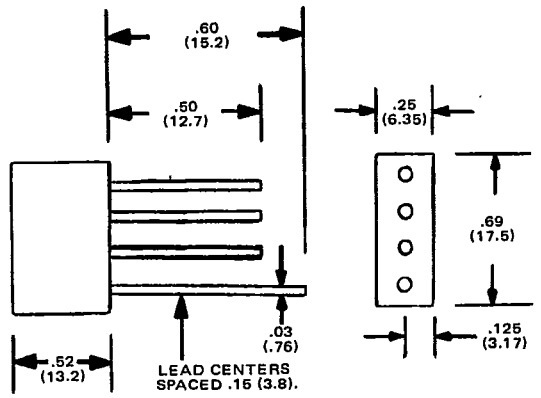


CASE OUTLINE DRAWINGS

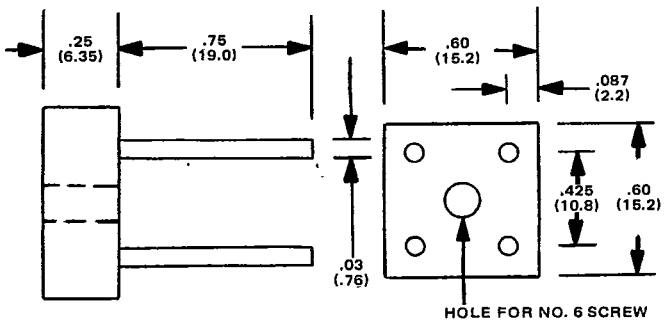
D



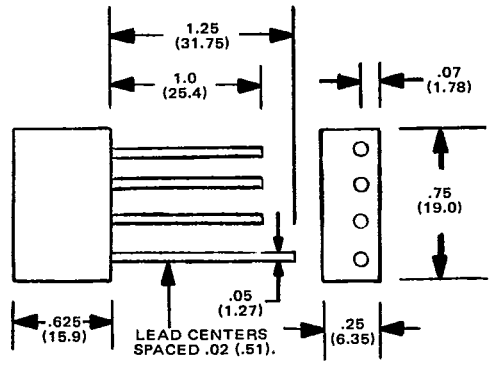
CASE A CBR1 *Series*
CBR2 *Series*



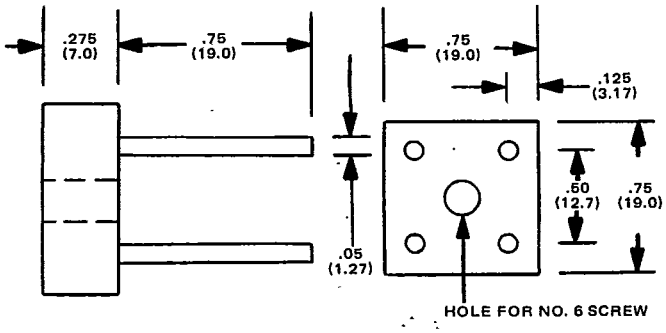
CASE B CBR1-L *Series*
CBR2-L *Series*



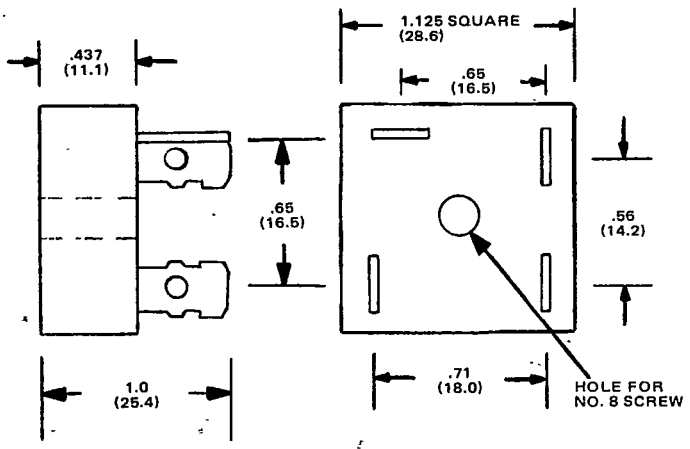
CASE C CBR3-P *Series*



CASE D CBR4-L *Series*



CASE E CBR8 *Series*



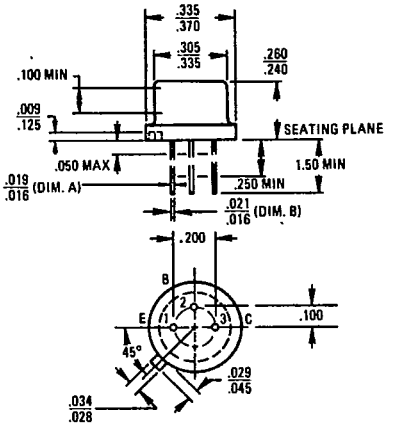
CASE F CBR10 *Series*, CBR25 *Series*
CBR12 *Series*, CBR30 *Series*

All Dimensions in Inches *(Millimeters)*
Drawings Not To Scale

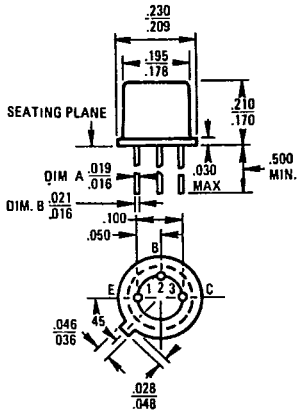
MECHANICAL OUTLINE DRAWINGS

D

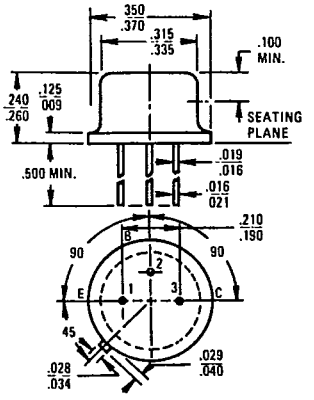
TO-5



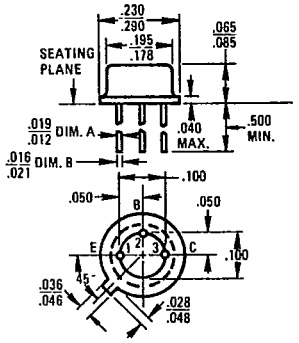
TO-18



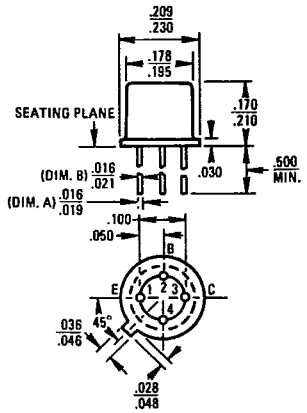
TO-39



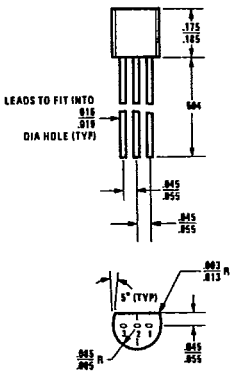
TO-46



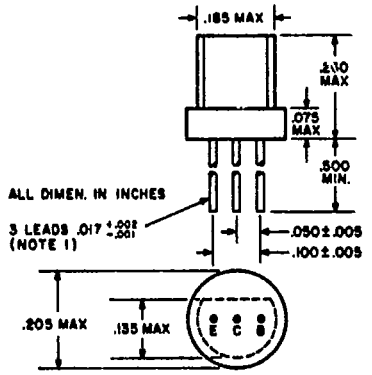
TO-72



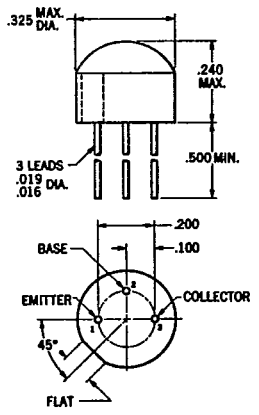
TO-92



TO-98



TO-105



TO-106