

CONTINENTAL DEVICE INDIA 32E D ■ 2383394 0000024 9 ■ T-33-13
PROFESSIONAL/COMMERCIAL GRADE APPLICATION
GENERAL PURPOSE POWER TRANSISTORS IN TO-204AA PACKAGE

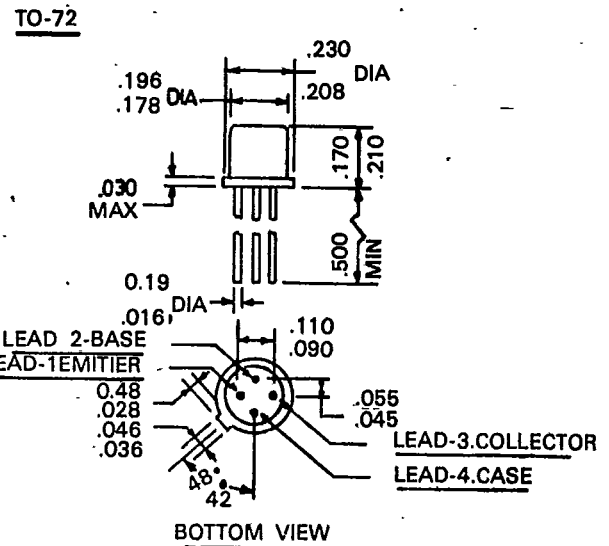
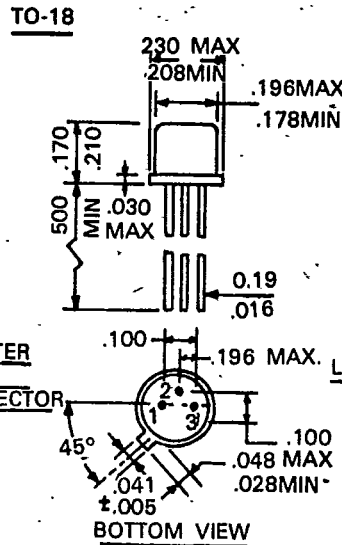
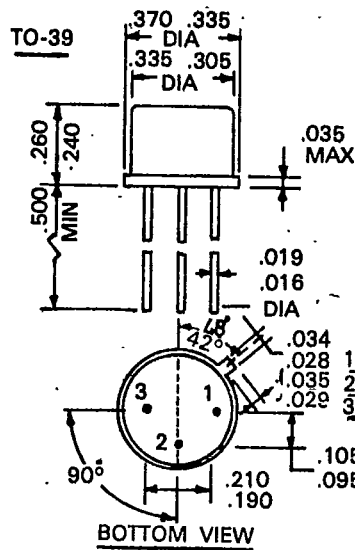
Polarity	Ic	VCE(sus)	hFE@	Ic &	VCE	Safe Operating	fr	Rθjc	Pd
Device	Amp	Volts	min/max	Amp	Volts	Area 1 SecPulse	min MHz	°C/W	Tc=25°C W
2N 3055	N	15	60	20/70	4	4	2.87A × 40V	3.00	117
2N 3232	N	7.5	60	18/	3	10	—	0.02	117
2N 3442	N	10	140	20/70	3	4	—	0.80	117
2N 3771	N	30	40	15/60	15	4	3.75A × 40V	0.80	150
2N 3772	N	20	60	15/60	10	4	2.50A × 60V	0.80	150
2N 3773	N	16	140	15/60	8	4	1.50A × 100V	0.80	150
2N 4347	N	10	120	20/70	2	4	—	1.50	117
2N 6253	N	15	45	20/	2	4	2.55A × 45V	—	115
2N 6257	N	20	40	15/75	8	4	3.75A × 40V	0.80	150
2N 6371	N	16	40	15/	8	4	—	—	117
BD 130	N	15	60	20/	4	4	2.00A × 50V	1.10	100
BD 181	N	10	45	20/70	3	4	2.90A × 40V	0.02	117
BD 182	N	15	60	20/	4	4	1.95A × 60V	0.02	117
BDW 21	N	10	45	15/150	4	4	3.00A × 30V	3.00	90
BDW 21A	N	10	60	15/150	4	4	3.00A × 30V	3.00	90
BDW 21B	N	10	80	15/150	4	4	3.00A × 30V	3.00	90
BDW 21C	N	10	100	15/150	4	4	3.00A × 30V	3.00	90
BDW 22	P	10	45	15/150	4	4	3.00A × 30V	3.00	90
BDW 22A	P	10	60	15/150	4	4	3.00A × 30V	3.00	90
BDW 22B	P	10	80	15/150	4	4	3.00A × 30V	3.00	90
BDW 22C	P	10	100	15/150	4	4	3.00A × 30V	3.00	90
BDX 18	P	15	60	20/70	4	4	3.87A × 40V	3.00	117
BDX 20	P	10	140	20/70	3	4	—	0.80	117
BDY 20	N	15	60	20/70	4	4	1.90A × 60V	1.00	115
BDY 38	N	6	40	30/	2	4	—	1.00	115
BDY 73	N	15	60	50/150	4	4	1.95A × 60V	—	—
CDP 055	P	5	50	25/100	2	2	—	4.00	50
CDN 055	N	5	50	25/100	2	2	—	4.00	50

POWER SWITCHING TRANSISTORS:—

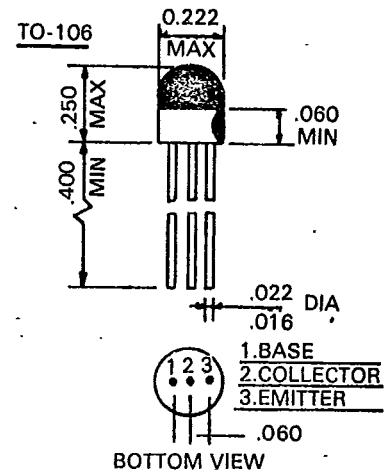
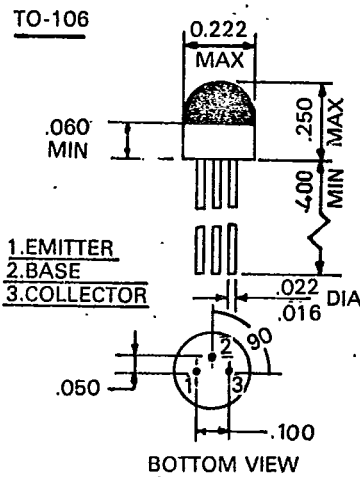
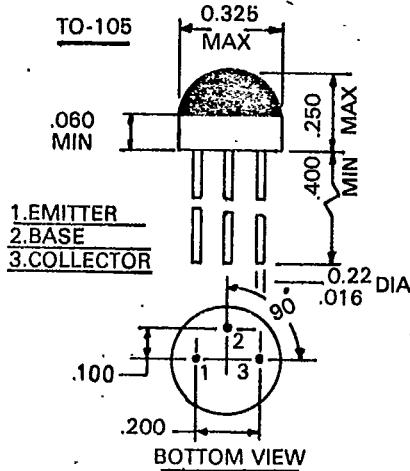
Polarity	Ic	VCE(sus)	hFE @	Ic	VCE	tr	ts	fr	Rθjc	Pd
Device	Amp	Volts	min/max	Amp	Volts	μs	μs	min MHz	°C/W	Tc=25°C W
✓BU 204	N	2.5	600	2.00/	2.0	5	0.75	10	7.5	10.0
✓BU 205	N	2.5	700	2.00/	2.0	5	0.75	10	7.5	10.0
✓BU 206	N	2.5	800	1.80/	2.0	5	0.75	10	7.5	10.0
✓BU 207	N	5.0	600	2.25/	4.5	5	0.90	10	7.0	12.5
✓BU 208	N	5.0	700	2.25/	4.5	5	0.70	10	7.0	12.5
✓BU 208D*	N	5.0	700	2.25/	4.5	5	0.70	10	7.0	12.5
✓BU 209	N	4.0	800	2.25/	3.0	5	0.70	10	7.0	12.5
✓BU 326	N	6.0	375	15.0/	2.5	10	0.50	3.5	6.0	60.0
✓BU 326A	N	6.0	400	15.0/	2.5	10	0.50	3.5	6.0	60.0
✓2N 5038	N	20	90	20.0/	12.0	5	0.50	1.5	60	140.0

*with integrated inverse diode.

PACKAGE OUTLINES



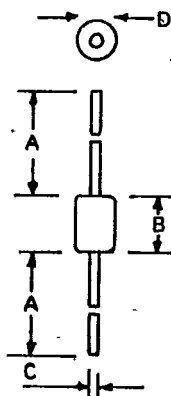
For transistor BF 167, 173 in TO-72 Package
Base & Emitter leads get interchanged.



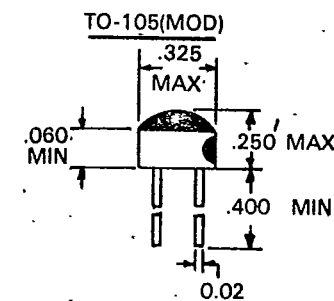
Note; For HF. transistor TO-106 Package 1. Base 2. Emitter and 3. Collector

TYPICAL DIMENSIONS

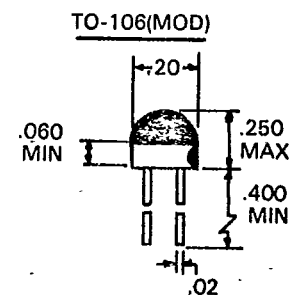
Dim	Package			
	DO-7	DO-35	DO-41	DO-34
A	1.100	1.100	1.100	1.100
B	0.230	0.140	0.150	0.104
C	0.020	0.020	0.032	0.020
D	0.096	0.070	0.94	0.056



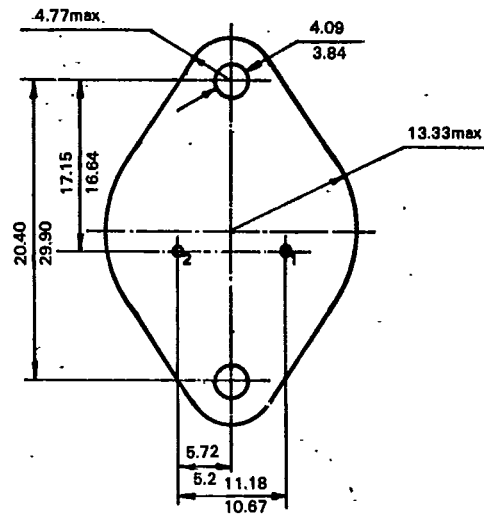
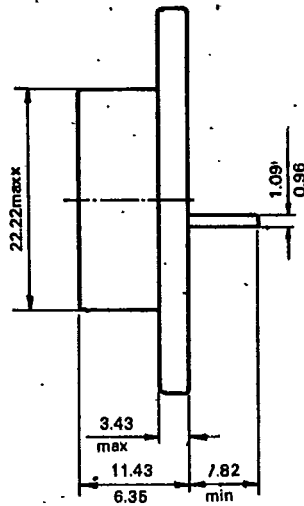
LEAD ADJACENT TO DOT OR
BAND IS CATHODE



LEAD ADJACENT TO DOT IS CATHODE



LEAD ADJACENT TO
DOT IS CATHODE



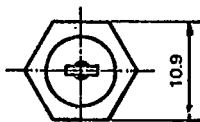
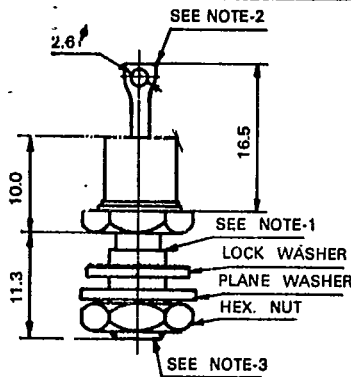
TO-204AA

Pin Configuration: 1:Base

2:Emitter

Body : Collector

ALL DIMENSIONS IN M.M.

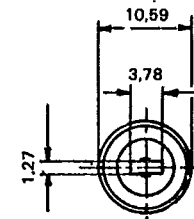
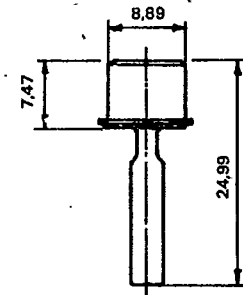


DO-4

NOTES:

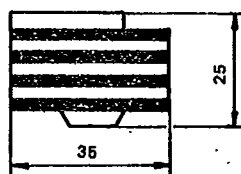
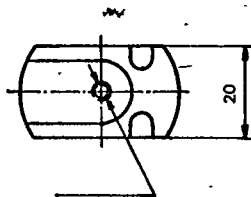
1. Threads to extend to within 2—1/2 threads of seating plane.
2. Angular orientation undefined.
3. lo-32 UNF-2A maximum pitch dia shall be (1687" 4.29 mm)

(All dimensions in mm)

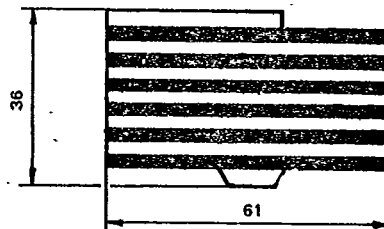
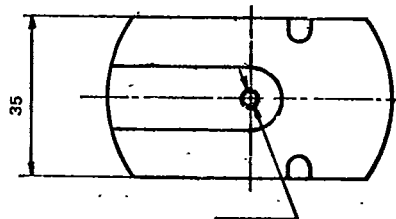


DO-21

HEAT SINK:



K 6 (3,6 AMP. DIODES)

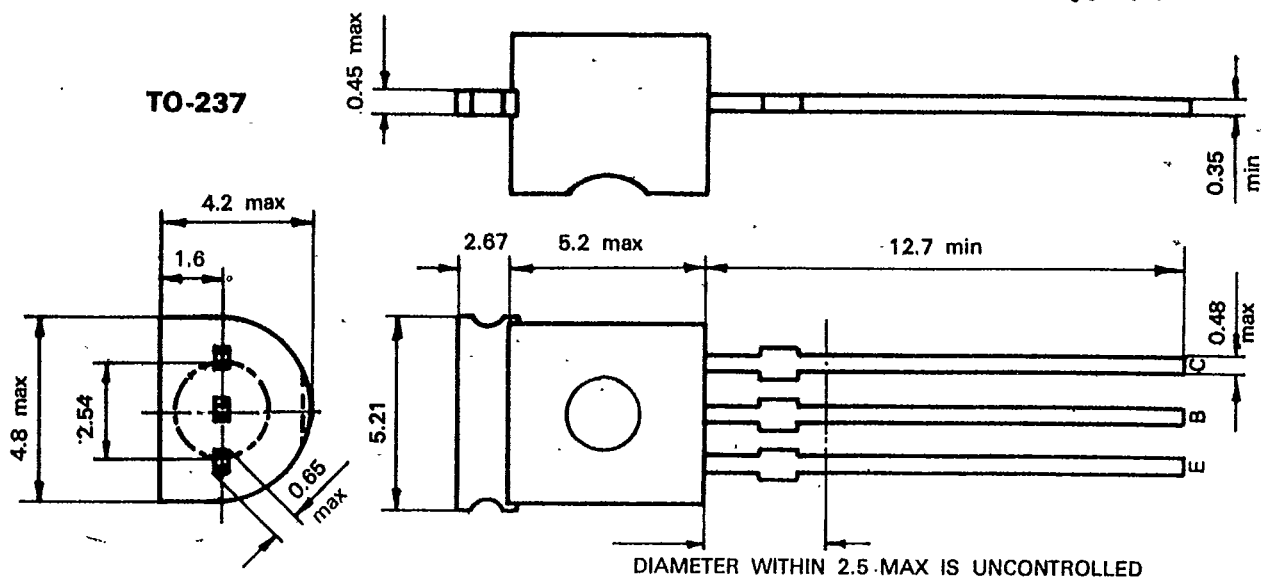


K 12 (12 AMP. DIODES)

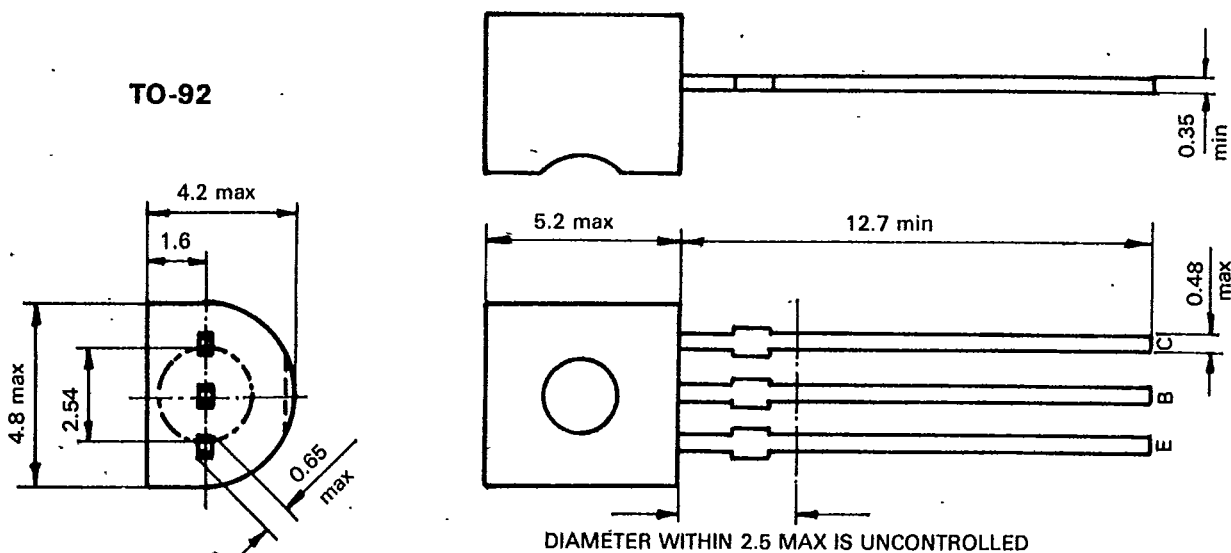
PACKAGE OUTLINES

FOR TO-92 AND TO 237 PACKAGE PIN CONFIGURATION
FROM LEFT TO RIGHT IS COLLECTOR-BASE-EMITTER,
KEEPING FLAT FACE IN FRONT AND LEADS POINTING
DOWNWARDS.

TO-237



TO-92



TO-92 FORM

