

COMMERCIAL/ENTERTAINMENT APPLICATIONS

	VCEO	VCBO	VEBO	hFE at bias	IC	VCE	ICM	PTA	ICBO	VCE(sat)	fT	Cob	ts	NF	
	Volts	Volts	Volts		mA	Volts	mA	mW	μA	Volts	MHz	pf	nsec	db	
Device	min	min	min	min/max			max	max	typ	typ	typ	typ	typ	typ	Package

NPN AUDIO OUTPUT TRANSISTORS

C 1	20	20	5	150/350	100	3	1000	625		0.6					TO-92
CL 100	50	60	5	50/280	150	1	1000	800	0.02	0.6					TO-39
CL 150	30	35	5	50/280	150	1	1000	800	.050	0.6					TO-39
CL 21	20	20	5	150/350	100	3	1500	750		0.6					TO-237
CN 100	50	60	5	50/280	150	1	1000	750	.050	0.6					TO-237
D 100	50	60	5	50/280	150	1	1000	500	0.02	0.6					TO-105
D 150	30	35	5	50/280	150	1	1000	500	.050	0.6					TO-105
CIL 460	40	40	7	50/250	50	1	500	500	1.00	0.6	60				TO-105
CIL 461	20	20	5	40/150	50	1	500	500	0.70		60				TO-105
CIL 462	12	12	5	40/150	50	1	500	500	0.70		60				TO-105
CIL 368	20	25	5	85/375	500	1	2000	625	0.05	0.2	60				TO-92

PNP AUDIO OUTPUT TRANSISTORS

C 2	20	20	5	150/350	100	3	1000	625		0.6					TO-92
CK 100	50	60	5	50/280	150	1	1000	800	0.02	0.6					TO-39
CK 150	30	35	5	50/280	150	1	1000	800	.050	0.6					TO-39
CK 22	20	20	5	150/350	100	3	1500	500		0.6					TO-237
CP 100	50	60	5	50/280	150	1	1000	750	.050	0.6					TO-237
C 100	50	60	5	50/280	150	1	1000	500	0.050	0.6					TO-105
C 150	30	35	5	50/280	150	1	1000	500	.050	0.6					TO-105
CIL 369	20	25	5	85/375	500	1	2000	625	0.05	0.2	60				TO-92

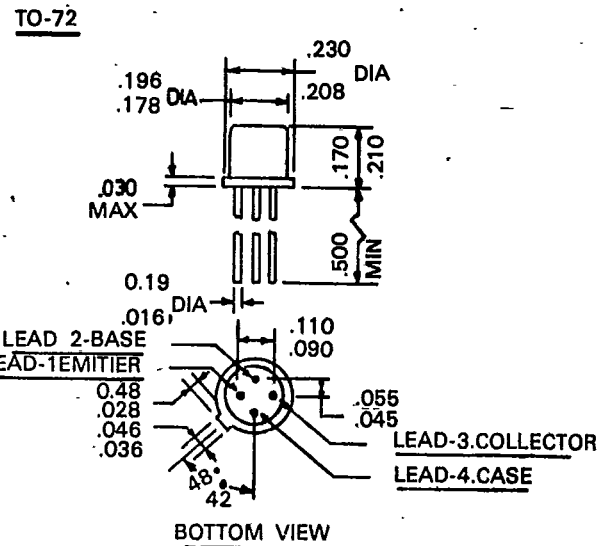
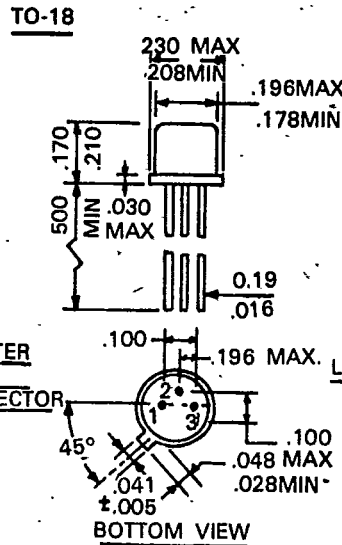
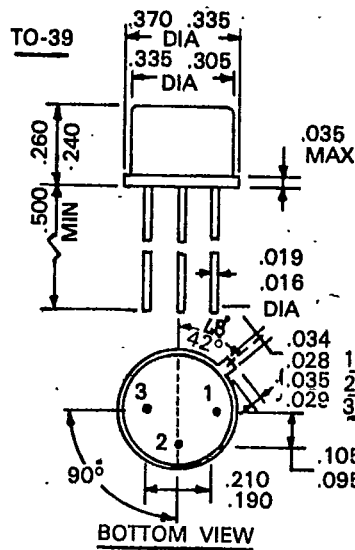
NPN DRIVER/PRE-AMPLIFIER TRANSISTORS

BC 107	45	50	6	110/450	2	5	200	300	0.02	0.25	300	2.5			TO-18
BC 107A	45	50	6	110/220	2	5	200	300	0.02	0.25	300	2.5			TO-18
BC 107B	45	50	6	200/450	2	5	200	300	0.02	0.25	300	2.5			TO-18
BC 108	20	30	5	110/800	2	5	200	300	0.02	0.25	300	2.5			TO-18
BC 108A	20	30	5	110/220	2	5	200	300	0.02	0.25	300	2.5			TO-18
BC 108B	20	30	5	200/450	2	5	200	300	0.02	0.25	300	2.5			TO-18
BC 108C	20	30	5	420/800	2	5	200	300	0.02	0.25	300	2.5			TO-18
BC 109	20	30	5	200/800	2	5	200	300	0.02	0.25	300	2.5	4		TO-18
BC 109B	20	30	5	200/450	2	5	200	300	0.02	0.25	300	2.5	4		TO-18
BC 109C	20	30	5	420/800	2	5	200	300	0.02	0.25	300	2.5	4		TO-18

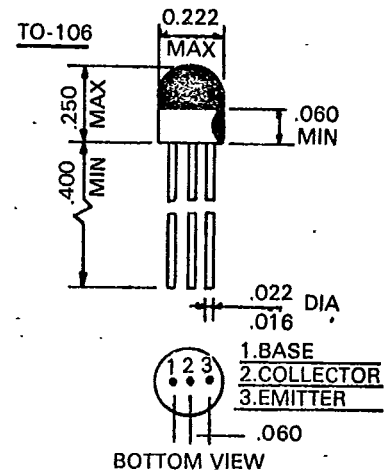
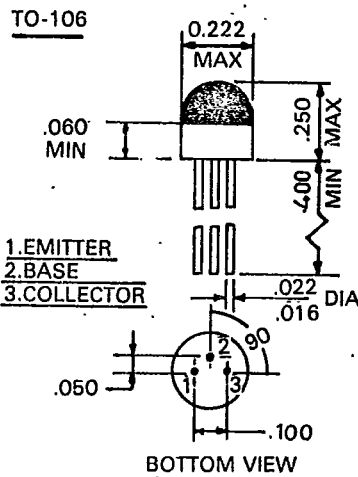
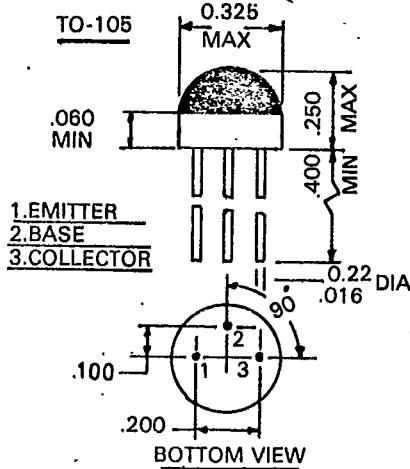
PNP DRIVER/PRE-AMPLIFIER TRANSISTOR

BC 177	45	50	5	75/260*	2	5	200	300	0.02	0.3	150	4			TO-18
BC 177A	45	50	5	125/260*	2	5	200	300	0.02	0.3	150	4			TO-18
BC 177B	45	50	5	240/500*	2	5	200	300	0.02	0.3	150	4			TO-18
BC 178	25	30	5	125/500*	2	5	200	300	0.02	0.3	150	4			TO-18
BC 178A	25	30	5	125/260*	2	5	200	300	0.02	0.3	150	4			TO-18
BC 178B	25	30	5	240/500*	2	5	200	300	0.02	0.3	150	4			TO-18
BC 179	20	25	5	125/500*	2	5	200	300	0.02	0.3	150	4	4		TO-18
BC 179A	20	25	5	125/260*	2	5	200	300	0.02	0.3	150	4	4		TO-18
BC 179B	20	25	5	240/500*	2	5	200	300	0.02	0.3	150	4	4		TO-18

PACKAGE OUTLINES



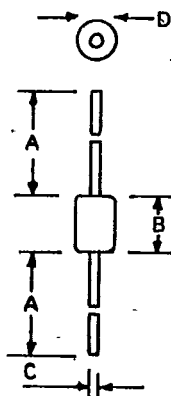
For transistor BF 167, 173 in TO-72 Package
Base & Emitter leads get interchanged.



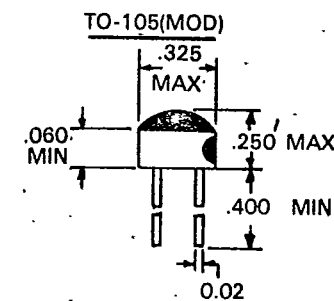
Note; For HF. transistor TO-106 Package 1. Base 2. Emitter and 3. Collector

TYPICAL DIMENSIONS

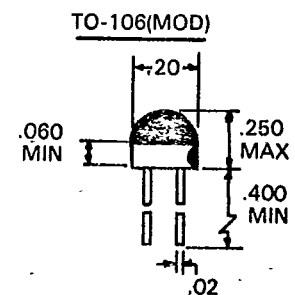
Dim	Package			
	DO-7	DO-35	DO-41	DO-34
A	1.100	1.100	1.100	1.100
B	0.230	0.140	0.150	0.104
C	0.020	0.020	0.032	0.020
D	0.096	0.070	0.94	0.056



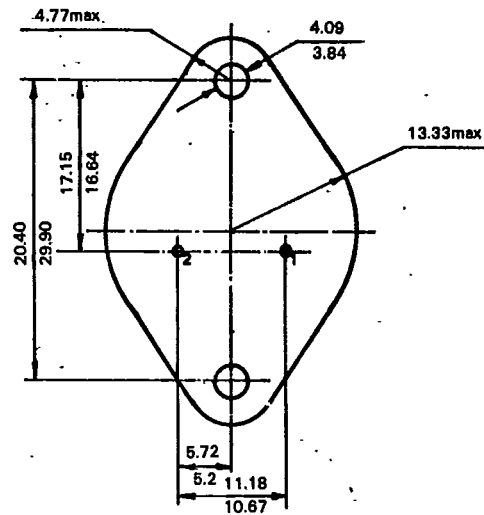
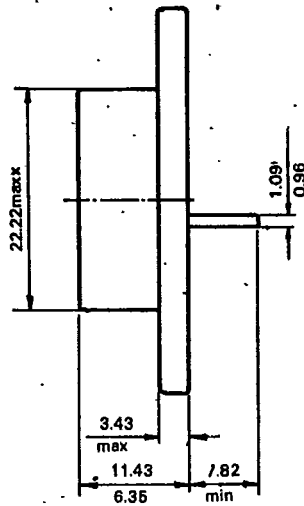
LEAD ADJACENT TO DOT OR
BAND IS CATHODE



LEAD ADJACENT TO DOT IS CATHODE



LEAD ADJACENT TO
DOT IS CATHODE



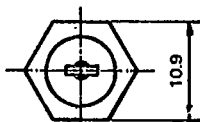
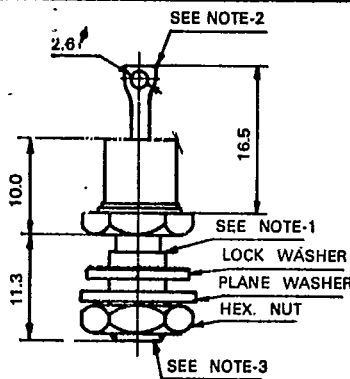
TO-204AA

Pin Configuration: 1:Base

2:Emitter

Body : Collector

ALL DIMENSIONS IN M.M.

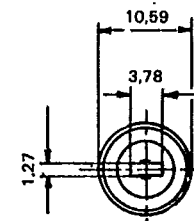
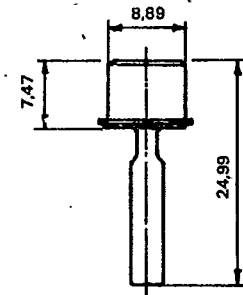


DO-4

NOTES:

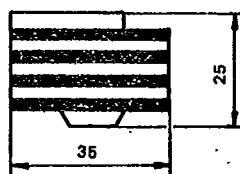
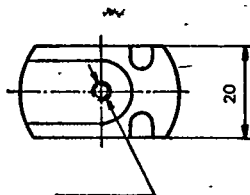
1. Threads to extend to within 2—1/2 threads of seating plane.
2. Angular orientation undefined.
3. lo-32 UNF-2A maximum pitch dia shall be (1687" 4.29 mm)

(All dimensions in mm)

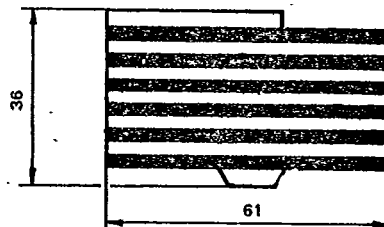
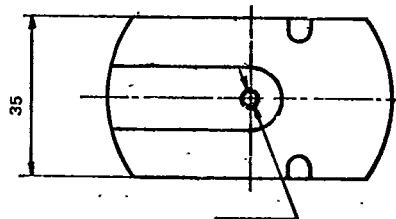


DO-21

HEAT SINK:



K 6 (3,6 AMP. DIODES)

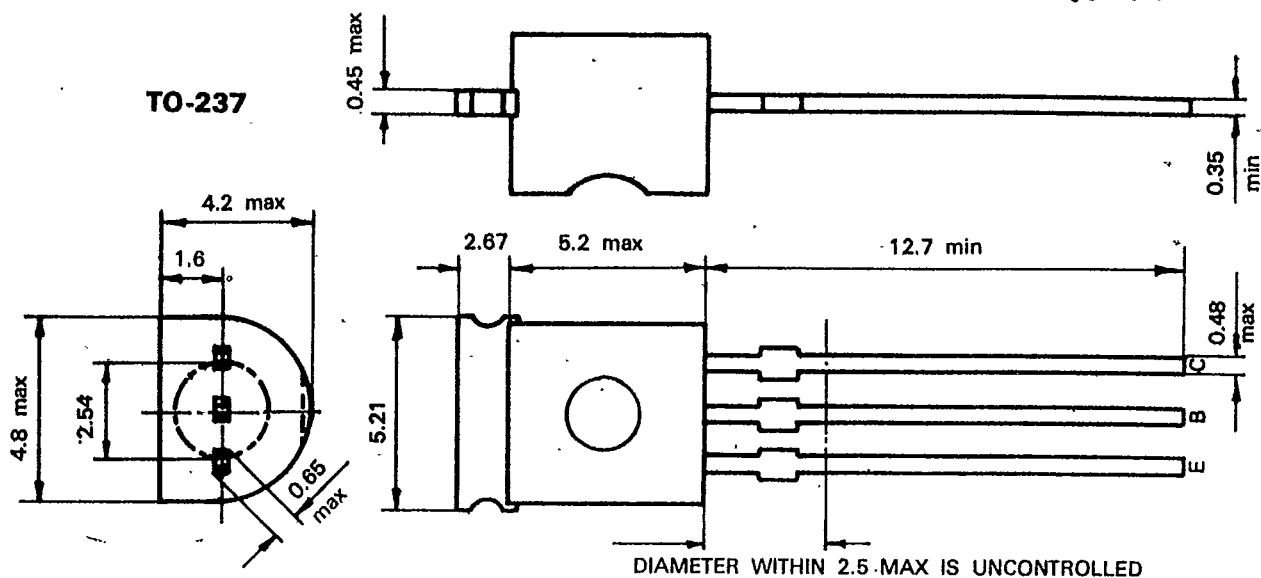


K 12 (12 AMP. DIODES)

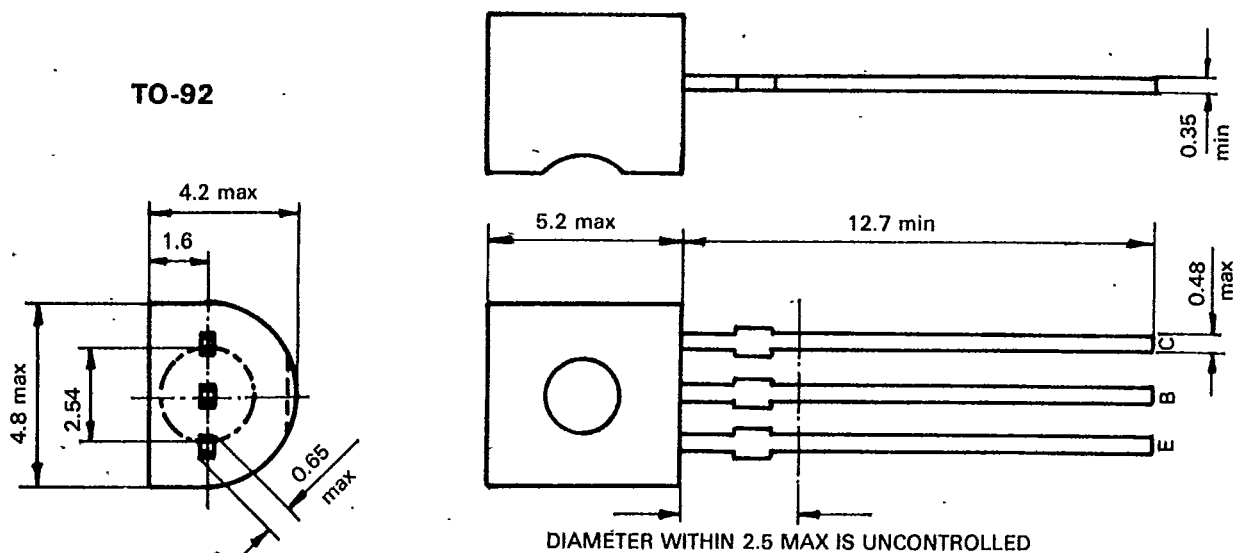
PACKAGE OUTLINES

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

