

COMMERCIAL/ENTERTAINMENT APPLICATIONS

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

NPN HIGH VOLTAGE VIDEO TRANSISTORS

2N 3501 (TV)	150	150	6	20/	150	10	300	1000	0.05	0.4	150	8	300	TO-39
BD 115	180	245	5	22/	50	100	200	800	0.05	9	150	3.5		TO-39
BF 177	60	100	5	20/	15	10	50	600	0.05		120	2		TO-39
BF 178	115	185	5	20/	30	20	50	600	0.05		120	2		TO-39
BF 179	115	250	5	20/	20	15	50	600	0.05		120	2		TO-39
BF 336	180	185	5	20/	30	10	100	1000	0.10		50	3.5		TO-39
BF 337	200	250	5	20/	30	10	100	800	0.10		50	3.5		TO-39
BF 393	300	300	8	40/	10	10	200	625	0.10	2.0	50	2		TO-92

PNP DRIVER I.F./R.F. TRANSISTORS

CIL 415	15	32	4	100/300	1	10	60	200	0.10		200	4		TO-106
CIL 423A	12	12	4	150/450	1	10	60	150	0.10		250	3		TO-106
CIL 423B	12	12	4	125/260	1	10	60	150	0.10		250	3		TO-106
CIL 423C	12	12	4	170/340	1	10	60	150	0.10		250	3		TO-106
CIL 423D	12	12	4	240/500	1	10	60	150	0.10		250	3		TO-106
CIL 423F	12	12	4	300/600	1	10	60	150	0.10		250	3		TO-106
CIL 423K	12	12	4	500/1200	1	10	60	150	0.10		250	3		TO-106

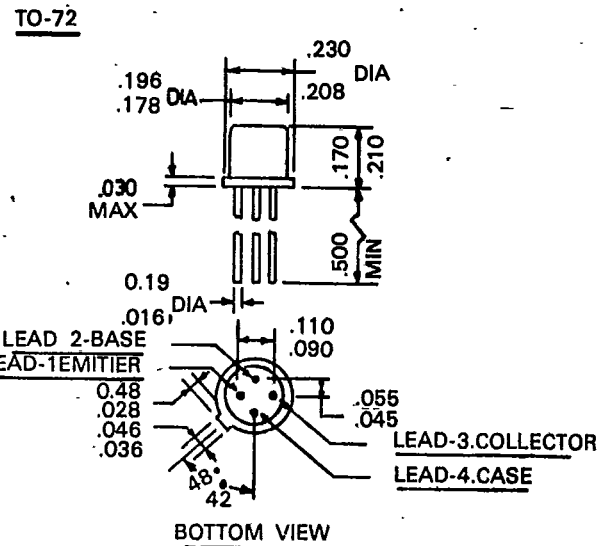
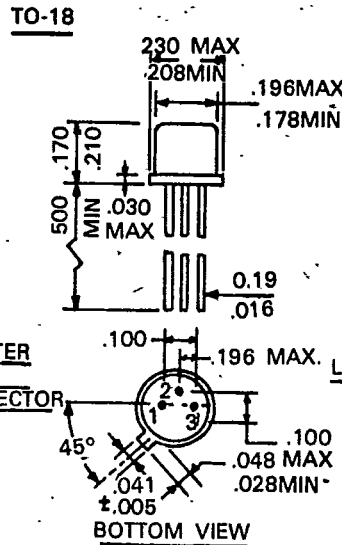
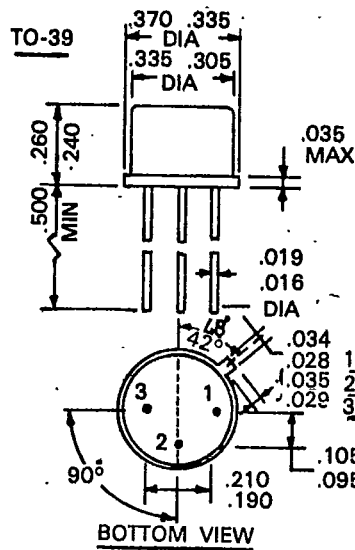
NPN I.F./R.F. TRANSISTORS

CIL 194	20	30	4	67/221	1	10	30	150	0.05		260	1.5		TO-106
CIL 194A	20	30	4	200/500	1	10	30	150	0.05		350	1.5		TO-106
CIL 194B	20	30	4	110/200	1	10	30	150	0.05		260	1.5		TO-106
CIL 195	20	30	4	35/125	1	10	30	150	0.05		200	1.5		TO-106
CIL 195C	20	30	4	71/110	1	10	30	150	0.05		200	1.5		TO-106
CIL 195D	20	30	4	38/71	1	10	30	150	0.05		200	1.5		TO-106
BF 494	20	30	5	67/221	1	10	30	300	0.05		260	1.5		TO-92
BF 494A	20	30	5	200/500	1	10	30	300	0.05		260	1.5		TO-92
BF 494B	20	30	5	110/200	1	10	30	300	0.05		260	1.5		TO-92
BF 495	20	30	5	35/125	1	10	30	300	0.05		260	1.5		TO-92
BF 495C	20	30	5	71/110	1	10	30	300	0.05		260	1.5		TO-92
BF 495D	20	30	5	38/71	1	10	30	300	0.05		260	1.5		TO-92
BF 167	30	40	4	25/	4	10	25	130			350			TO-72
BF 173	25	40	4	40/	7	10	25	260			350			TO-72
BF 200	20	30	3	15/	3	10	20	150			550			TO-72
2N 3553	40	65	4	10/	250	5	1000	1000	0.2	0.3	500	0.7		TO-39

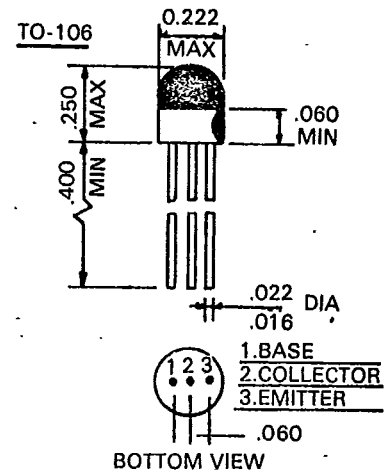
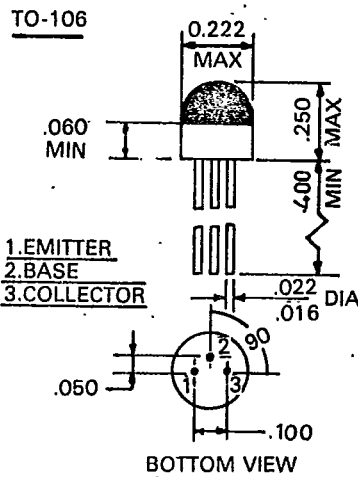
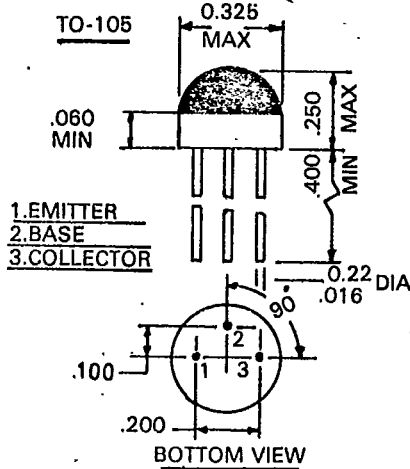
HIGH FREQUENCY N-CHANNEL FETs

	PTA	BVGSS	IGSS	Vp	gm	NF	IDSS	Ciss	Crss	
	mW	Volts	nA	Volts	μmhos	db	mA	pf	pf	
Device	max	min	max	max	min/max	typ.	min/max	typ.	typ.	Package
BFW 10	300	30	0.1	8	3500/6500	2.5	8/20	4	0.6	TO-72
BFW 11	300	30	0.1	6	3000/6500	2.5	4/10	4	0.6	TO-72

PACKAGE OUTLINES



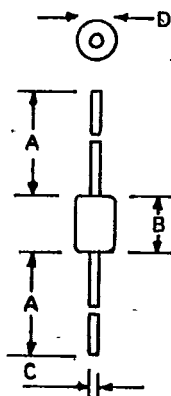
For transistor BF 167, 173 in TO-72 Package
Base & Emitter leads get interchanged.



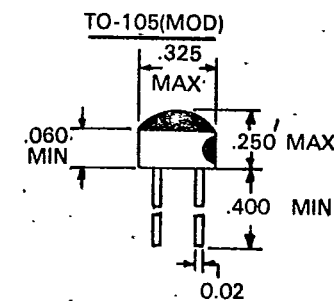
Note; For HF. transistor TO-106 Package 1. Base 2. Emitter and 3. Collector

TYPICAL DIMENSIONS

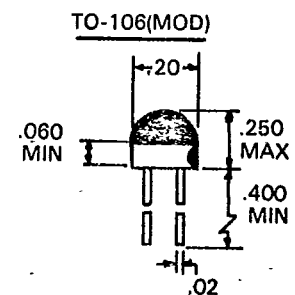
Dim	Package			
	DO-7	DO-35	DO-41	DO-34
A	1.100	1.100	1.100	1.100
B	0.230	0.140	0.150	0.104
C	0.020	0.020	0.032	0.020
D	0.096	0.070	0.94	0.056



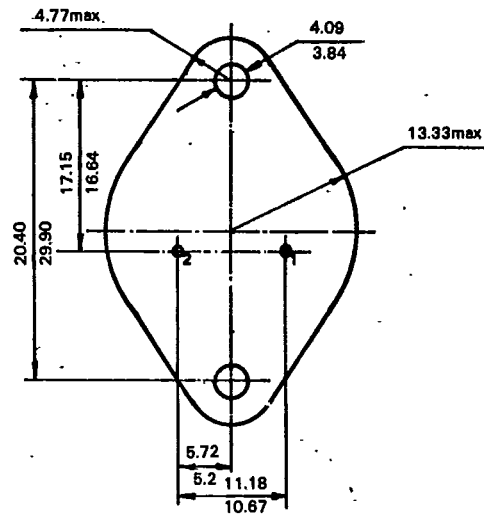
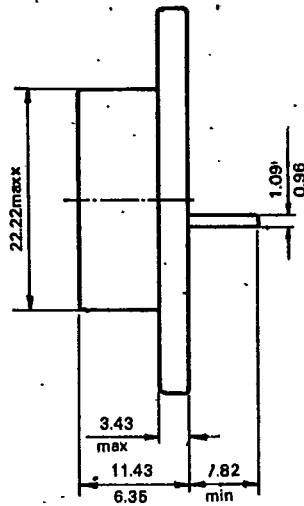
LEAD ADJACENT TO DOT OR
BAND-IS CATHODE



LEAD ADJACENT TO DOT IS CATHODE



LEAD ADJACENT TO
DOT-IS CATHODE



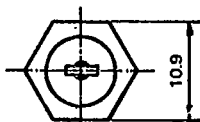
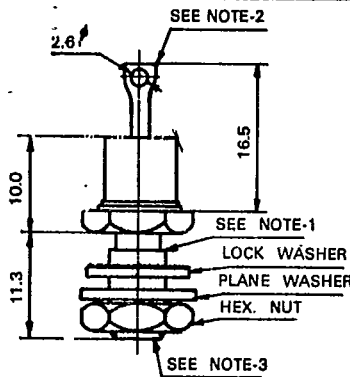
TO-204AA

Pin Configuration: 1:Base

2:Emitter

Body : Collector

ALL DIMENSIONS IN M.M.

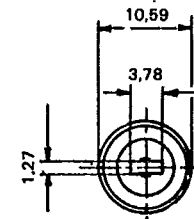
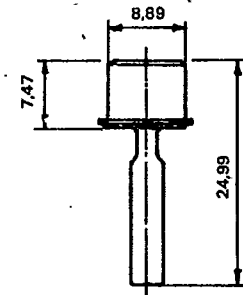


DO-4

NOTES:

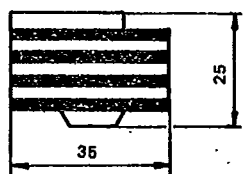
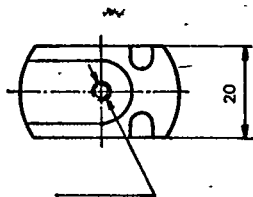
1. Threads to extend to within 2—1/2 threads of seating plane.
2. Angular orientation undefined.
3. lo-32 UNF-2A maximum pitch dia shall be (1687" 4.29 mm)

(All dimensions in mm)

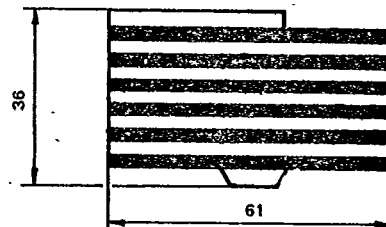
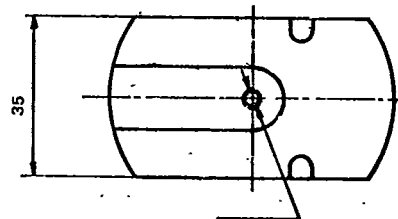


DO-21

HEAT SINK:



K 6 (3,6 AMP. DIODES)

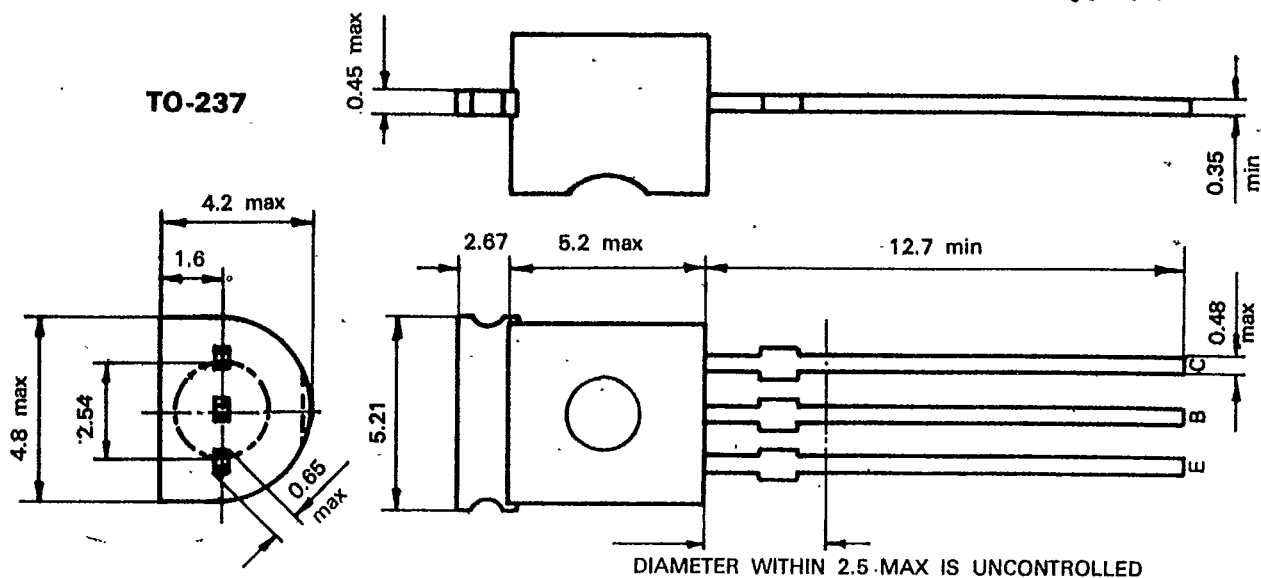


K 12 (12 AMP. DIODES)

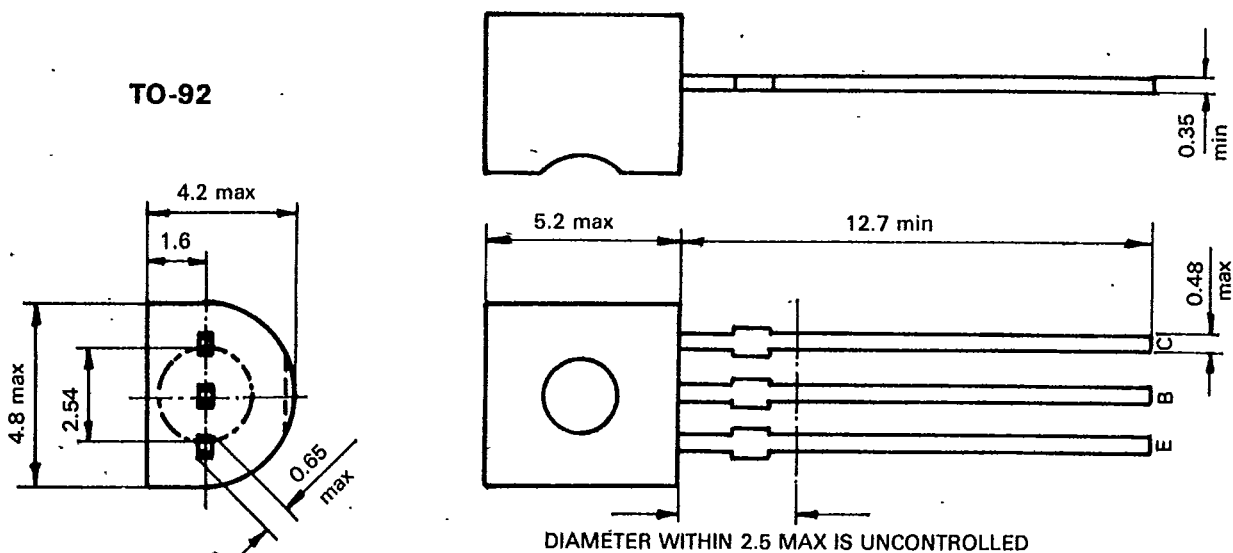
PACKAGE OUTLINES

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

