

Microwave Mixer Diodes

Type No.	Test Freq. (MHz)	Noise Figure (dB)	I.F. IMPED. @ 30 MHz (Ohms)	VSWR Max. Ratio	Burn Out (ERGS)	Fig. No.
1N415C	9375	9.5	325-475	1.5	2.0	Z64
1N415E	9375	7.5	335-465	1.3	2.0	Z64
1N416C	3060	8.3	300-700	---	2.0	Z64
1N416E	3060	7.0	350-450	1.3	5.0	Z64



PIN Diodes

ECG Type	Description and Application	Max. Power (mW)	V (BR) R Min. (Volts)	IR Max. (nA)	C _T Max. (pf)	LS Typ. (nH)	RA Max. (Ohms)	Fig. No.
ECG553	Si PIN Diode, UHF, VHF Switch	200	30	150	2	2.5	1.2	Z4
ECG555A	Si PIN Diode, Gen Purp & VHF Switch	250	35	100	1.2	---	0.7	Z11A

Diode and Rectifier Outlines

Fig. Z1A
ECG580

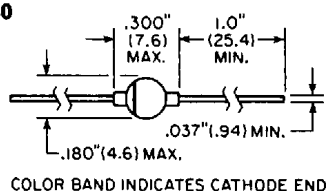


Fig. Z1B
ECG571

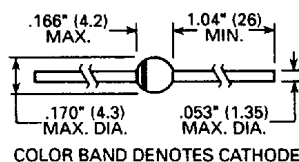


Fig. Z2
ECG
109
110MP

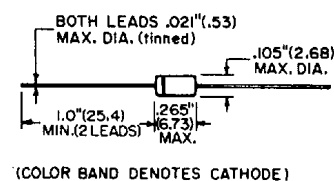


Fig. Z3
ECG
116 585
125 587
552
558
574
575
578

DO-41

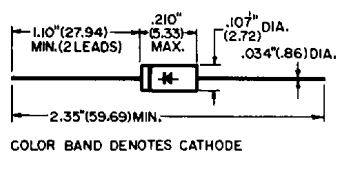


Fig. Z4
ECG
112
177
519
553
583
584
600

DO-35

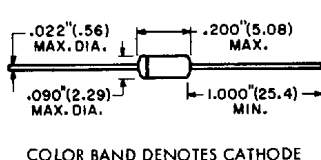


Fig. Z5
ECG178MP

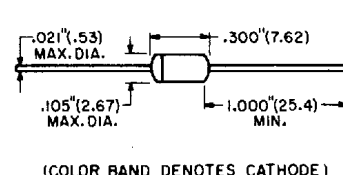


Fig. Z6
ECG
156
506
507

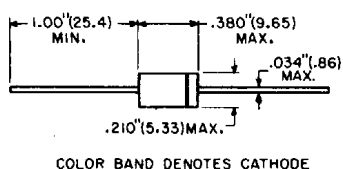


Fig. Z6A
ECG
525
569
573
576
577
579
586
588

DO-27

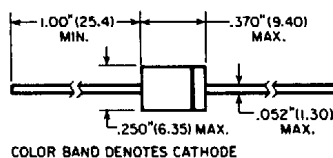


Fig. Z7
ECG
606
607

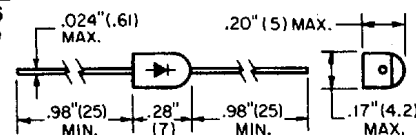


Fig. Z8
ECG515

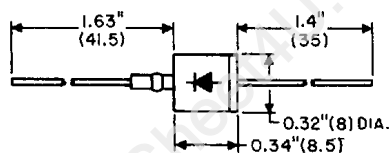


Fig. Z11A
ECG555A

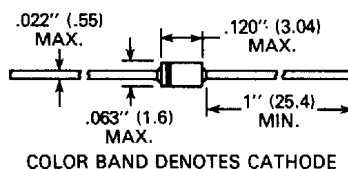
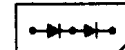


Fig. Z12

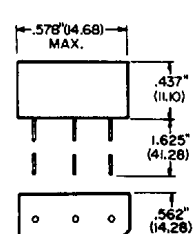
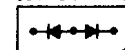
ECG114

SERIES CONNECTED



ECG115

COMMON ANODE



Diode and Rectifier Outlines (cont'd)

Fig. Z13

ECG
610
611
612
613
614

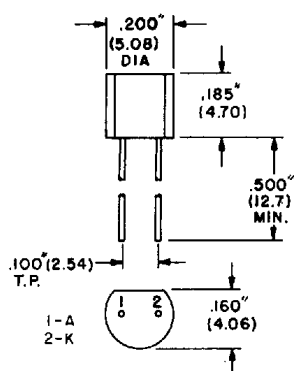


Fig. Z15

ECG113A

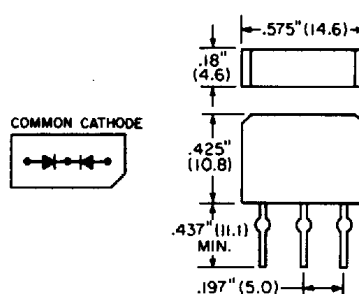


Fig. Z17

ECG120

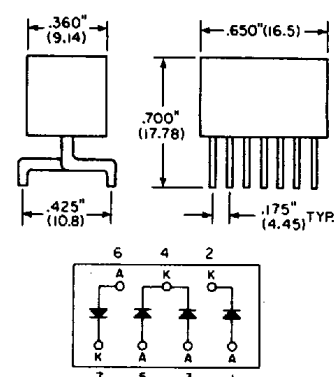


Fig. Z17A

ECG582

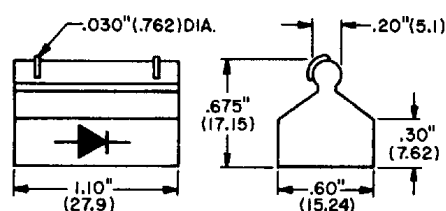


Fig. Z41A

ECG581

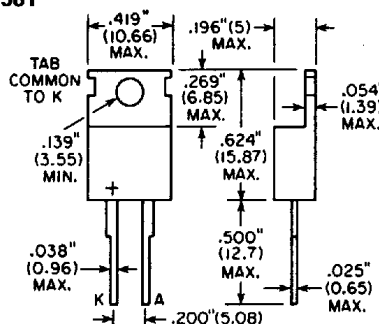
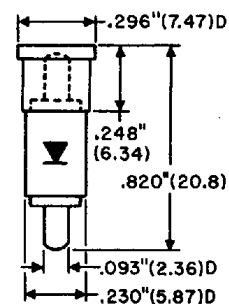


Fig. Z64

1N415C
1N415E
1N416C
1N416E

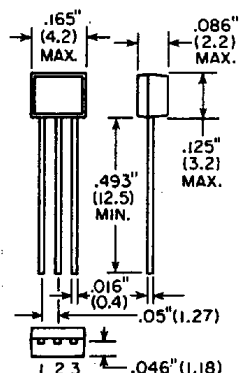


(DIODE POLARITY IS REVERSED
WHEN BRASS CAP IS REMOVED
AND PLACED ON OPPOSITE END)

Fig. Z67

ECG
590
591

SP-92

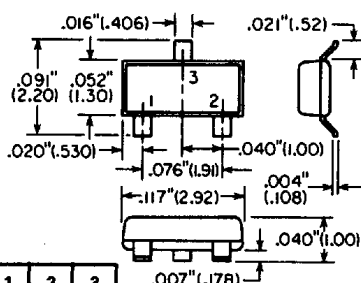


ECG	1	2	3
590	A	K	A
591	K	A	K

Fig. Z69

ECG
592
593
594
595
596

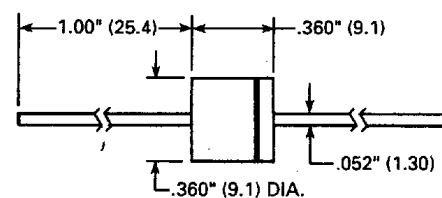
SOT-23



ECG	1	2	3
592	A	NC	K
593	A	NC	K
594	A	NC	K
595	A	A	K
596	K	K	A

Fig. Z71

ECG
572
589

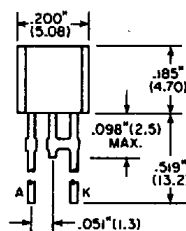


COLOR BAND DENOTES CATHODE

Voltage Regulator for Electronic Tuner

ECG615A	Min.	Typ.	Max.	T _A = 25°C
V _Z	31	33	35	V
ΔV _Z /ΔT	-1	0	+1	mV/°C
P _D	200 mW (T _A = 75°C)			

Fig. Z13-2
ECG615A



DO-92

