

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)	CT 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
ECG556A	Si PIN Diode, Gen Purp & VHF Switch	250	35	100	1.2	---	0.7	Z11A

Diode and Rectifier Outlines

<p>Fig. Z1A ECG580</p> <p>COLOR BAND INDICATES CATHODE END</p>	<p>Fig. Z1B ECG571</p> <p>COLOR BAND DENOTES CATHODE</p>	<p>Fig. Z2 ECG 109 110MP</p> <p>(COLOR BAND DENOTES CATHODE)</p> <p style="text-align: right;">D07</p>
<p>Fig. Z3 ECG 116 585 125 587 552 558 574 575 578</p> <p>COLOR BAND DENOTES CATHODE</p> <p style="text-align: right;">DO-41</p>	<p>Fig. Z4 ECG 112 177 519 553 583 584 600</p> <p>COLOR BAND DENOTES CATHODE</p> <p style="text-align: right;">DO-35</p>	<p>Fig. Z5 ECG178MP</p> <p>(COLOR BAND DENOTES CATHODE)</p>
<p>Fig. Z6 ECG 156 506 507</p> <p>COLOR BAND DENOTES CATHODE</p>	<p>Fig. Z6A ECG 525 569 573 576 577 579 586 588</p> <p>COLOR BAND DENOTES CATHODE</p> <p style="text-align: right;">DO-27</p>	<p>Fig. Z7 ECG 606 607</p>
<p>Fig. Z8 ECG515</p>	<p>Fig. Z11A ECG555A</p> <p>COLOR BAND DENOTES CATHODE</p>	<p>Fig. Z12 ECG114 SERIES CONNECTED ECG115 COMMON ANODE</p>

Diode and Rectifier Outlines (cont'd)

Fig. Z13

ECG
610
611
612
613
614

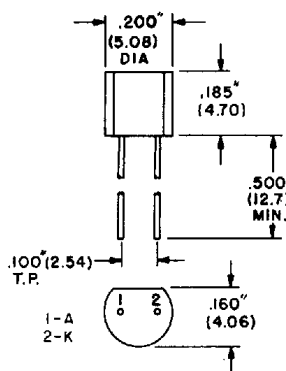


Fig. Z15

ECG113A

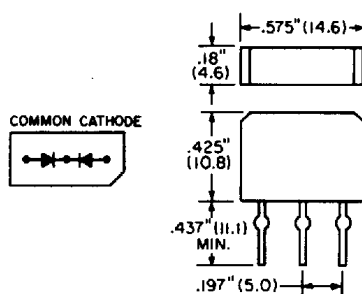


Fig. Z17

ECG120

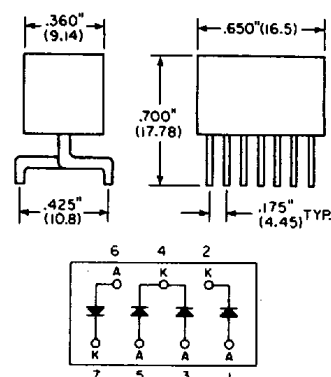


Fig. Z17A

ECG582

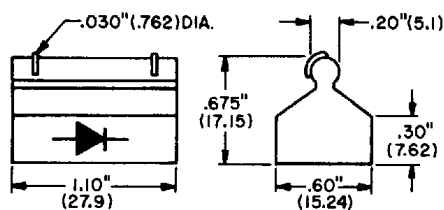


Fig. Z41A

ECG581

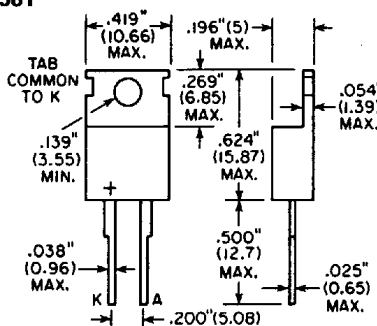
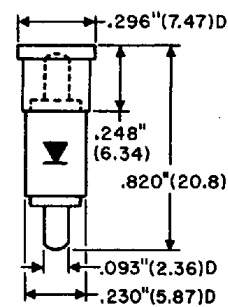


Fig. Z64

1N415C
1N415E
1N416C
1N416E

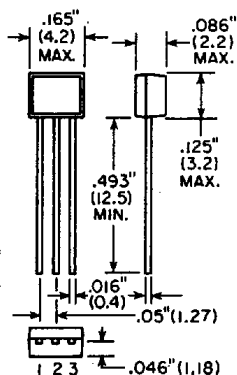


(DIODE POLARITY IS REVERSED
WHEN BRASS CAP IS REMOVED
AND PLACED ON OPPOSITE END)

Fig. Z67

ECG
590
591

SP-92

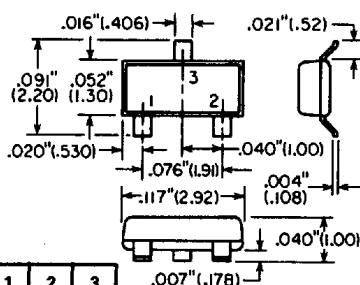


ECG	1	2	3
590	A	K	A
591	K	A	K

Fig. Z69

ECG
592
593
594
595
596

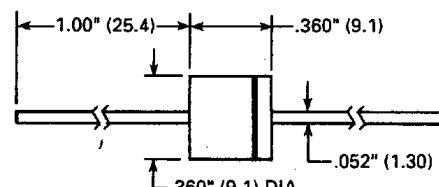
SOT-23



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

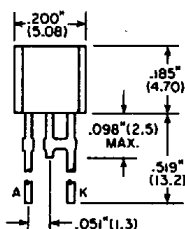


COLOR BAND DENOTES CATHODE

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

