

# Varistors (Temperature Compensating Diodes)

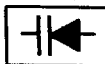


ECG Type	Description	Forward Current I <sub>F</sub> mA	Forward Voltage V <sub>F</sub>			Fig. No.	Fig. Z2	ECG605A	Fig. Z4	DO-35 ECG600 ECG601
			Min. Volts	Max. Volts	Change Per °C in mV					
ECG600	Silicon	10	0.63 at 3 mA	0.69 at 3 mA	2	Z4				
ECG601	Silicon	20	0.56 at 1.5 mA	0.61 at 1.5 mA	1.5	Z4				
ECG605A	Silicon	100	1.26 at 3 mA	1.36 at 3 mA	4.6	Z2				

# Varistors (Voltage Compensating Diodes)

ECG Type	Forward Characteristics	Maximum Forward DC Current	Maximum Surge Current for 10 msec	Reverse Characteristics	Fig. Z7	ECG 606 607
ECG606	1.8 V ± 0.2 V at 1 mA 2.3 V ± 0.25 V at 70 mA	150 mA	27 A	10 μA Max at 100 V		
ECG607	2.35 V ± 0.25 V at 1 mA 3.0 V ± 0.3 V at 70 mA	100 mA	25 A	10 μA Max at 100 V		

# Varactors (Variable Capacitance Diodes)



ECG Type	Cap. at 4 Volts pF	Cap. Ratio C <sub>2</sub> /C <sub>30</sub>	Reverse Voltage V <sub>R</sub> Volts Max.	Forward Current I <sub>F</sub> mA Max.	Device Diss. PD mW Max.	Fig. Z13	ECG 610 611 612 613 614
ECG610	6.8	2.7	30	200	280		
ECG611	10.0	2.9	30	200	280		
ECG612	12.0	2.9	30	200	280		
ECG613	22.0	2.9	30	200	280		
ECG614	33.0	3.2	30	200	280		

# Matched Varactors (Variable Capacitance Diodes) (Matched Set of Four)

ECG Type	Matched Cap. at 3 Volts pF	Cap. Ratio C <sub>3</sub> /C <sub>25</sub>	Reverse Voltage V <sub>R</sub> Volts Max.	Max. Osc. Freq. at 3 V GHz	Series Inductance L <sub>s</sub> (nH)	Series Resistance R <sub>s</sub> Max. Ohms	Fig. Z11A	ECG616
ECG616	11	5.5	30	24	2.5	0.8		

# Varactors (Radio Tuning Diodes)

ECG Type	Application Band	Cap. I <sub>n</sub> pF	Cap. I <sub>n</sub> pF	Cap. Ratio	Reverse Voltage V <sub>R</sub> Max Volts	Q Min. @ 100 MHz	Fig. No.	Fig. Z13-1	ECG617	Fig. Z13-2	ECG618
ECG617	FM Tuning	39 at 3 V	15 at 30 V	2.6	32	100 at 3 V	Z13-1		ECG617		ECG618
ECG618	AM Tuning	440 at 1.2 V	22 at 8 V	15.5	12	200 at 1 V	Z13-2				

6653728 0009213 175