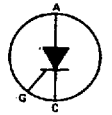




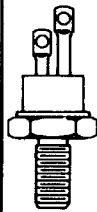


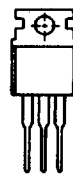
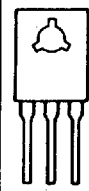

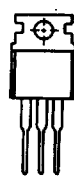


Silicon Controlled Rectifiers (SCR)



Phase Control - SCR

VDRM	IT Max Forward Current (Amps)														
	IT RMS - All Conduction Angles						IT Ave - Conduction Angle = 180°								
	RMS	.8 A		3 A		4 A		5 A		*7 A		8 A		10 A	
Av.	.5 A		1.9 A		2.5 A		3.2 A		4.3 A		5.1 A		6.2 A		
30	ECG5400			ECG5411	ECG5452										
50					ECG5453	ECG5470					ECG5442	ECG5481			
60	ECG5401			ECG5412											
100	ECG5402			ECG5413	ECG5454	ECG5471						ECG5482			
200	ECG5404	ECG5408	ECG5414	ECG5455	ECG5472	ECG5511	ECG5427				ECG5444	ECG5483	ECG5417		
400	ECG5405	ECG5409	ECG5415	ECG5457	ECG5474	ECG5512	ECG5428	ECG5437	ECG5446	ECG5485	ECG5418	ECG5426			
600	ECG5406	ECG5410	ECG5416	ECG5458	ECG5476	ECG5513	ECG5429	ECG5438	ECG5448	ECG5487	ECG5419				
I _{GT} Min	200 μA #	10 mA	200 μA #	200 μA #	10 mA	15 mA	15 mA	200 μA #	30 mA	20 mA	15 mA	200 μA #			
V _{GT} Max (V)	0.8	1.5	1.0	0.8	1.5	2.0	1.5	1.5	1.5	1.5	1.5	1.5	0.8		
I _{Surge} (A)	6.0	30	25	20	100	60	100	100	80	100	100	100	100		
I _{Hold} Min (mA)	5.0	20	5.0	3.0	25	20	20	6.0	40	25	30	3.0			
V _{GFM} (V)	8.0	10	6.0	6.0	6.0	10	6.0	5.0	6.0	10	5.0	5.0			
V _{GRM} (V)	8.0	10	6.0	6.0	6.0	5.0	6.0	5.0	6.0	10	5.0	5.0			
V _{F on} (V) Max	1.7	1.6	2.0	2.2	2.0	2.8	2.6	2.0	1.5	1.5	1.6	1.6			
P _{G Av} (W)	.01	0.3	0.1	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
Operating Temp. T _J °C	-65 to +125	-40 to +125	-40 to +110		-40 to +110		-65 to +100	-40 to +110		-40 to +100	-40 to +110				
d _v /d _t (Typ) V/μsec	30	30	10		50	200	100	10	50	50	20				
Fig. No.	Z36	Z35	Z38	Z40	Z48	Z42	Z35	Z41	Z39	Z48	Z41				
Package	TO-92	TO-5M	TO-126	TO-202	TO-64	TO-66	TO-5M	TO-220	TO-127	TO-64	Isolated Tab TO-220				
															

Return Gate to Cathode through 1000 ohms minimum.
 * If I_TRMS exceeds 4 A, anode connection must be made to case.

Package Outlines - See Page 1-129