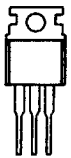
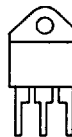
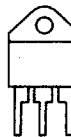
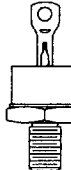








Phase Control - SCR (cont'd)



VDRM	IT Max Forward Current (Amps)										
	IT RMS - All Conduction Angles			IT Ave - Conduction Angle = 180°							
	RMS	40 A	50 A	55 A	80 A	125 A	175 A	275 A	360 A	470 A	550 A
Av.	25 A	32 A	35 A	50 A	80 A	110 A	175 A	230 A	300 A	350 A	
200				ECG5567	ECG5570	ECG5575		ECG5580		ECG5590	
400			ECG5539								
600				ECG5568	ECG5572	ECG5577	ECG5576	ECG5582	ECG5586	ECG5591	ECG5587
800	ECG5536	ECG5538	ECG5540								
1200				ECG5569	ECG5574	ECG5579		ECG5584		ECG5592	ECG5589
1600				ECG5571			ECG5578	ECG5585	ECG5588	ECG5597	ECG5593
I _{GT} Min (mA)	40	80	40	100	100	100	150	150	150	150	200
V _{GT} Max (V)	1.5	1.5	1.5	3	3	3	3	3	3	3	3
I _{SRG} (A)	400	500	600	1000	1800	1800	1800	4500	5500	4500	8000
I _{Hold} Min (mA)	60	150	60	200	200	200	300	300	300	300	300
V _{GFM} (V)	10	10	10	20	5	5	5	5	5	5	5
V _{GRM} (V)	10	5	5	10	5	5	5	5	5	5	5
V _{F on} (V) Max	1.8	1.9	1.8	2.5	2.2	2.2	1.5	1.5	1.5	2	2
P _{G Av} (W)	0.5	1	0.8	2	3	3	3	3	3	3	3
Operating Temp. T _j °C	-40 to +125	-40 to +125	-40 to +125	-40 to +125	-40 to +125	-40 to +125		-40 to +125	-40 to +125	-40 to +125	-40 to +125
d _v /d _t (Max) V/μsec	50	500	375	200	300	300	400	300	300	300	300
Non-Repetitive di/dt Max Amps/μsec	—	—	—	200	800	800	600	800	800	800	800
Fig. No.	Z41	Z40A	Z40A	Z47	Z52	Z51	Z52	Z53	Z55	Z54	
Package	TO-220	TO-218 Isolated Tab	TO-218	TO-65	TO-94	TO-83	TO-94	TO-93	HT-16	ST-75	
											

Package Outlines - See Page 1-129

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