



High Speed - SCR (Switching)

VDRM	IT RMS - All Conduction Angles								IT Max Forward Current (Amps)								IT Ave - Conduction Angle = 180°							
	RMS	8 A		35 A		125 A		275 A		400 A		475 A		700 A										
	Av.	5 A		16 A		80 A		175 A		250 A		300 A		450 A										
600	ECG5351A	ECG5360		ECG5368		ECG5371		ECG5374		ECG5380		ECG5377		ECG5386										
1200				ECG5369		ECG5372		ECG5375		ECG5381		ECG5378		ECG5387										
IGT Min (mA)	50	180		150		150		150		150		150		150										
VGT Max (V)	2.0	3.0		3.0		3.0		3.0		3.0		3.0		3.0										
ISurge (A)	90	180		1400		1400		4500		4500		8000		8000										
VGRM (V)	--	10		5.0		5.0		5.0		5.0		5.0		5.0										
VF on (V) Max	1.6	2.05		2.0		2.0		1.85		1.85		2.6		2.6										
PG Av (W)	--	1.0		3.0		3.0		3.0		3.0		3.0		3.0										
Operating Temp. T _j °C	-40 to +100	-65 to +125		-40 to +125				-40 to +125		-40 to +125		-40 to +125		-40 to +125										
Repetitive d _i /d _t Amps/μsec Max	300	100		150		150		300		300		400		400										
Non-Repetitive d _i /d _t Amps/μsec Max	500	400		800		800		800		800		800		800										
d _v /d _t (Max) V/μsec	400	200		200		200		300		300		300		300										
Turn-Off Time t _q μsec Max	2.9	15		10		15		10		20		25		25										
Fig. No.	Z42	Z49		Z51		Z52		Z53		Z55		Z54		Z56										
Package	TO-66	TO-48		TO-83		TO-94		TO-93		HT-16		ST-75		HT-23										

Package Outlines - See Page 1-110