

# Phase Control - SCR (cont'd)



VDRM	IT Max Forward Current (Amps)												
	IT RMS - All Conduction Angles												IT Ave - Conduction Angle = 180°
	RMS	10 A			12.5 A	16 A	20 A	25 A			35 A		40 A
Av.	6.2 A			8 A	10 A	13 A	16 A			22 A		25 A	
50	ECG5461					ECG5501		ECG5521	ECG5550		ECG5541		
100	ECG5462	ECG5491				ECG5502		ECG5522			ECG5542		
200	ECG5463	ECG5492				ECG5504	ECG5514	ECG5524	ECG5552		ECG5543	ECG5517	ECG5562
400	ECG5465	ECG5494		ECG314	ECG5507	ECG5515	ECG5527	ECG5554		ECG5545	ECG5518	ECG5564	
600	ECG5466	ECG5496			ECG5509	ECG5516	ECG5529	ECG5556		ECG5547	ECG5519	ECG5566	ECG5534A
800	ECG5468		ECG5440				ECG5531	ECG5558	ECG5460	ECG5548			
IGT Min (mA)	15	15	15	40	25	15	40	40	40	40	40	40	50
VGT Max (V)	1.5	2.0	1.5	2.0	2.5	2.0	2.0	1.5	1.5	1.5	2.0	1.6	2.0
ISurge (A)	100	200	100	200	125	200	150	300	300	325	350	350	440
IHold Min (mA)	20	20	20	50	25	20	50	40	40	50	50	50	75
VGFM (V)	10	10	5	10	10	10	10	10	10	10	10	10	10
VGRM (V)	5.0	10	5	5.0	5.0	5.0	5.0	10	10	10	10	10	10
VF on Max (V)	1.8	2.5	1.8	1.8	2.5	2.4	2.0	1.8	1.8	1.5	1.8	1.4	1.8
PG Av (W)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1
Operating Temp. T <sub>j</sub> °C	-40 to +100		-40 to +110	-40 to +100	-65 to +125	-40 to +100	-65 to +125	-40 to +125			-40 to +100		-40 to +125
dv/dt (Typ) V/μsec	100	30	50	100	30	50	30	50	100	50			500
Fig. No.	Z41	Z49	Z41D	Z43	Z49	Z46	Z49	Z41	Z41D	Z49	Z46	Z50	Z45A
Package	TO-220	TO-48	TO-220J	TO-3	TO-48	1/2" Press Fit	TO-48	TO-220	TO-220J	TO-48	1/2" Press Fit	Isolated Stud	TO-3 Flange Isolated
													