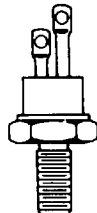

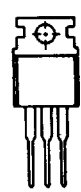
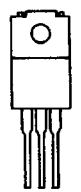
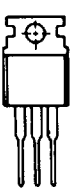
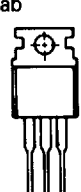

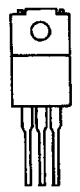


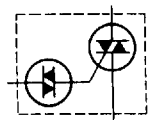
# TRIACS (cont'd)

VRRM DC or Peak Volts	IT RMS Max Forward Current (Amps)							
	12 A	15 A		16 A	25 A			
50								ECG5681
100								ECG5682
200		ECG5673	ECG56004		ECG56015	ECG56019	ECG5683	
400		ECG5675	ECG56006		ECG56016	ECG56020	ECG5685	
600	ECG5667A	ECG5677	ECG56008		ECG56017		ECG5687	
800	ECG5668A		ECG56010	ECG5671	ECG56018			ECG5699
1000	ECG5669A							
IGT Min (mA) Quadrants I & III	100	50	40	35 Quads I,II,III	50 Quads I,II,III	50	75	50 Quads I,II,III
IGT Min (mA) Quadrants II & IV	100	80	75	70 Quad IV	75 Quad IV	50	100	80 Quad IV
VGT Max (V)	2.5	2.5	2.5	1.5	2.5	2.5	3.0	2.0
ISurge Max (A)	120	100	150	150	250	200	225	250
IHold Min (mA)	100	75	40	30	50	70	75	50
Von Max (V)	2.2	1.8	1.6	1.5	1.85	1.8	1.9	2.0
VGM (V)	---	± 5.0	± 10	± 10	± 10	± 10	± 5.0	± 5.0
PG Av (W)	1	.5	.5	.5	.5	.5	.75	.5
Operating Temperature T <sub>J</sub> °C	-40 to +125	-65 to +100	-40 to +125	-40 to +125	-40 to +125	-40 to +110	-40 to +100	-40 to +125
Off State dv/dt (Typ) V/μsec	100	100	50	100	40	60	100	40
Operating Quadrants	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III	I,II,III,IV	I,II,III,IV
Fig. No.	Z48A	Z49	Z41	Z41D	Z41	Z41	Z49	Z41D
Package	TO-64 Metric	TO-48	TO-220	TO-220J	TO-220	TO-220 Isolated Tab	TO-48	TO-220J
								

\* 3 Mode device not specified in Quadrant IV

Package Outlines - See page 1-134

# TRIAC with Internal Trigger DIAC



ECG Type	IT RMS Amps	VRRM DC or Pk Volts	Operating Quadrants	VBO (V)	IBO (μA)	Max Ratings			Oper Temp T <sub>J</sub> °C	Off State dv/dt V/μsec	Fig. No.	Package TO-220 Isolated Tab
						V <sub>F</sub> (on) Volts	ISurge Amps	IHold mA				
ECG5646	<b>10 A</b>	600	I, II, III, IV	35 Min	200	1.6	110	50	-40 to +100	60	Z41	