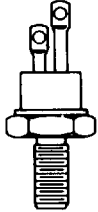

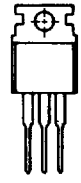

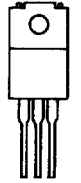
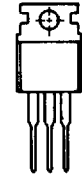
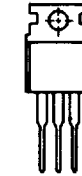


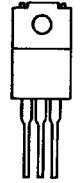


TRIACS (cont'd)

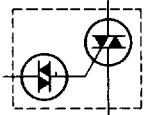
VRRM DC or Peak Volts	IT RMS Max Forward Current (Amps)										
	12 A	15 A			16 A	25 A					
50									ECG5681		
100									ECG5682		
200		ECG5673	ECG56004				ECG56015	ECG56019	ECG5683		
400		ECG5675	ECG56006				ECG56016	ECG56020	ECG5685		
600	ECG5667A	ECG5677	ECG56008	ECG56009			ECG56017		ECG5687	ECG5672	
800	ECG5668A		ECG56010			ECG5671	ECG56018				ECG5699
1000	ECG5669A										
IGT Min (mA) Quadrants I & III	100	50	40	50	35 Quads I,II,III	50 Quads I,II,III	50	75	80	50 Quads I,II,III	
IGT Min (mA) Quadrants II & IV	100	80	75	75	70 Quad IV	75 Quad IV	50	100	100*	80 Quad IV	
VGT Max (V)	2.5	2.5	2.5	2.5	1.5	2.5	2.5	3.0	2.5	2.0	
ISurge Max (A)	120	100	150	150	150	250	200	225	250	250	
IHold Min (mA)	100	75	40	70	30	50	70	75	80	50	
Von Max (V)	2.2	1.8	1.6	1.6	1.5	1.85	1.8	1.9	1.8	2.0	
VGM (V)	---	± 5.0	± 10	± 5.0	± 10	± 10	± 10	± 5.0	± 10	± 5.0	
PG Av (W)	1	.5	.5	.5	.5	.5	.5	.75	.8	.5	
Operating Temperature T _J °C	-40 to +125	-65 to +100	-40 to +125	-40 to +100	-40 to +125	-40 to +125	-40 to +110	-40 to +100	-40 to +110	-40 to +125	
Off State dv/dt (Typ) V/μsec	100	100	50	60	100	40	60	100	60	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,IV	I,II,III	I,II,III,IV	I,II,III	I,II,III,IV	
Fig. No.	Z48A	Z49	Z41	Z60	Z41D	Z41	Z41	Z49	Z59	Z41D	
Package	TO-64 Metric 	TO-48 	TO-220 	5/8" Swedge TO-3 (Isolated Flange) 	TO-220J 	TO-220 	TO-220 isolated Tab 	TO-48 	3/4" Swedge TO-3 (Isolated Flange) 	TO-220J 	


DISCONTINUED

* 3 Mode device not specified in Quadrant IV

Package Outlines - See Page 1-114

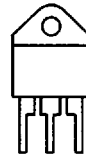
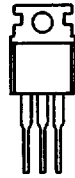
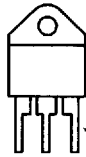
TRIAC with Internal Trigger DIAC



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

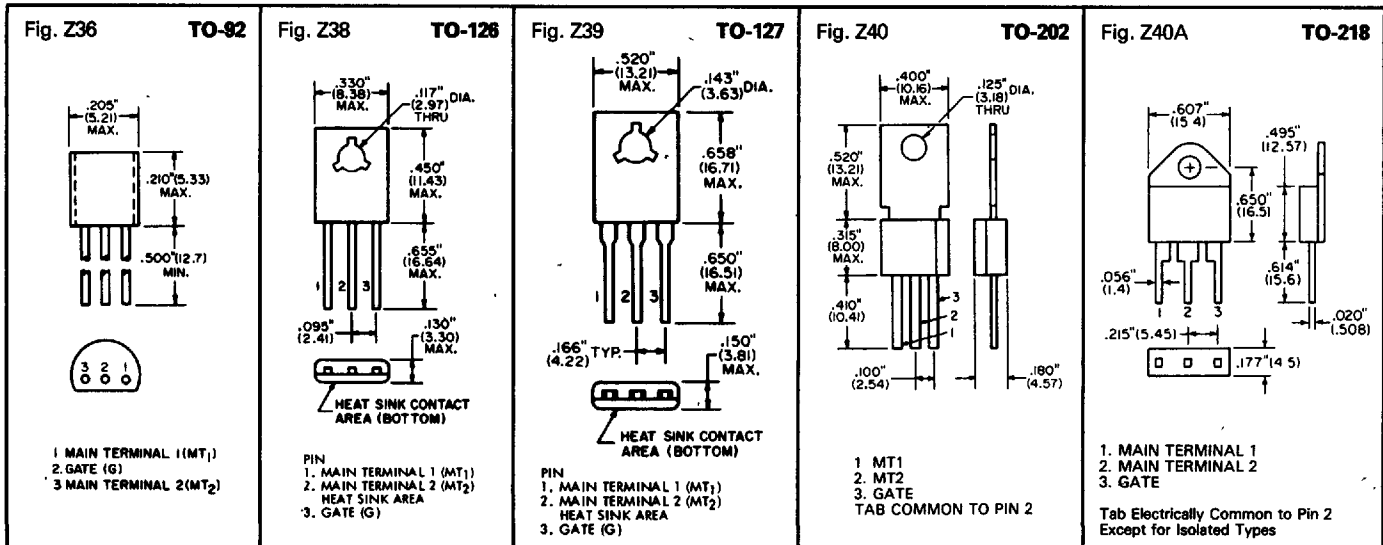
TRIACS (cont'd)

VRRM DC or Peak Volts	IT RMS Max Forward Current (Amps)						
	40 A					45 A	
200	ECG5693	ECG56022		ECG5688			
400	ECG5695	ECG56024		ECG5689	ECG56030		
600	ECG5697	ECG56026	ECG5679	ECG5690	ECG56031		ECG56033
800						ECG56028	
1000							
IGT Min (mA) Quadrants I & III	50	50	50	50	100 Quads I,II,III	50	50 Quads I,II,III
IGT Min (mA) Quadrants II & IV	80	80	50*	80	150 Quad IV	75	100 Quad IV
VGT Max (V)	2.5	2.5	2.5	2.5	1.5	2.0	1.5
ISurge Max (A)	300	300	300	300	300	350	300
IHold Min (mA)	60	60	75	60	100	75	80
Von Max (V)	2.0	2.0	1.8	2.0	1.8	1.8	1.8
VGM (V)	± 10	± 10	± 10	± 10	± 10	± 10	± 10
PG Av (W)	.75	.75	.8	.75	1	.5	1
Operating Temperature T _J °C	- 65 to + 110	- 65 to + 110	- 40 to + 110	- 40 to + 110	- 40 to + 125	- 40 to + 125	- 40 to + 125
Off State dv/dt (Typ) V/μsec	100	100	60	100	250	50	250
Operating Quadrants	I,II,III,IV	I,II,III,IV	I,II,III	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III,IV
Fig. No.	Z49	Z50	Z63	Z62	Z40A	Z41	Z40A
Package	TO-48	TO-48 Isolated Stud	Square Pak TO-3 (Isolated Flange)	1/2" Press Fit	TO-218 Isolated Tab	TO-220	TO-218

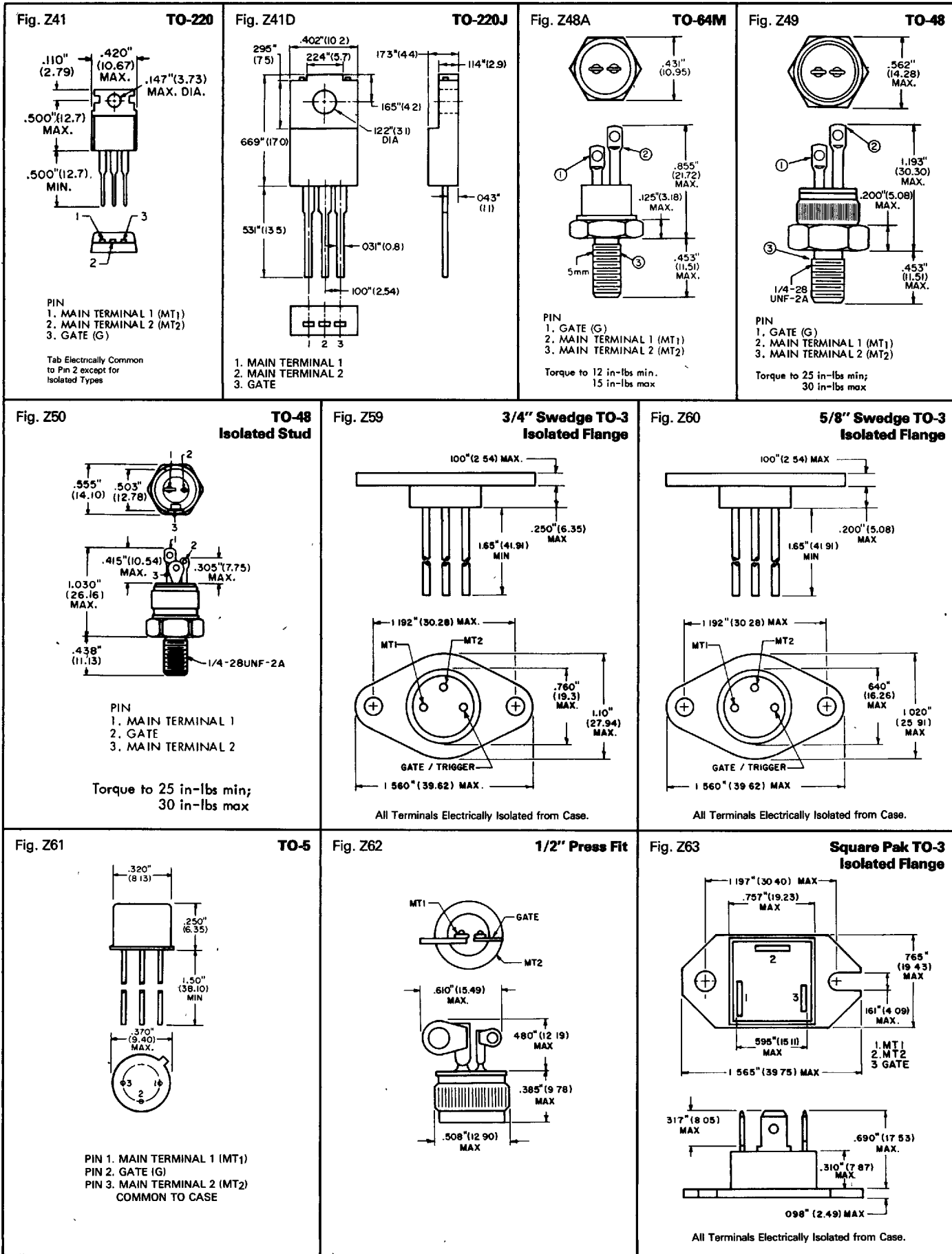


* 3 Mode device not specified in Quadrant IV

TRIAC Outlines



TRIAC Outlines (cont'd)



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