

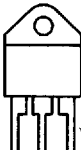
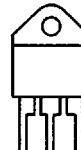


TRIACS

VRRM DC or Peak Volts	IT RMS Max Forward Current (Amps)											
	0.8 A	2.5 A		4 A		8 A			10 A			
50				ECG5601					ECG5612	ECG5622	ECG5631	
100		ECG5640	ECG5650	ECG5602					ECG5613	ECG5623	ECG5632	
200	ECG5655	ECG5641	ECG5651	ECG5603					ECG5614	ECG5624	ECG5633	
400	ECG5656	ECG5642	ECG5652	ECG5605	ECG5629	ECG5608	ECG5638		ECG5616	ECG5626	ECG5635	
600	ECG5657	ECG5643	ECG5653	ECG5607		ECG5609			ECG5618	ECG5628	ECG5637	ECG5645
800						ECG5610		ECG5620				
IGT Min (mA) Quadrants I & III	5.0	25	3.0	30	3.0	10	10	35 Quads I, II, III	50	50	50	50
IGT Min (mA) Quadrants II & IV	5.0	40	3.0	---	3.0	10	10	70 Quad IV	75	---	50*	75
VGT Max (V)	2.0	2.2	2.2	2.5	2.0	2.5	2.0	1.5	2.5	2.0	2.5	2.5
ISurge Max (A)	8.0	25	25	30	40	80	80	60	100	100	100	120
IHold Min (mA)	20	35	5.0	30	5.0	15	10	20	50	50	50	50
Von Max (V)	1.5	1.8	2.2	2.0	1.6	1.5	1.6	1.7	1.8	1.8	1.65	1.6
VGM (V)	± 5.0	± 5.0	± 5.0	± 5.0	± 5.0	± 10	± 5.0	± 10	± 5.0	± 5.0	± 10	± 5.0
PG Av (W)	.01	.05	.05	.5	.3	.5	.4	.5	.5	.5	.5	.5
Operating Temperature T _J °C	-40 to +110	-65 to +100	-40 to +90	-40 to +110	-40 to +110	-40 to +110	-40 to +110	-40 to +120	-65 to +100	-40 to +100	-40 to +100	-40 to +110
Off State dv/dt (Typ) V/μsec	20	100	5	5	10	25	25	100	5	5	50	60
Operating Quadrants	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,III	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,III	I,II,III	I,II,III,IV
Fig. No.	Z36	Z61		Z38	Z40	Z41	Z41	Z41D	Z39		Z41	Z41
Package	TO-92	TO-5		TO-126	TO-202	TO-220	TO-220 Isolated Tab	TO-220J	TO-127		TO-220	TO-220 Isolated Tab

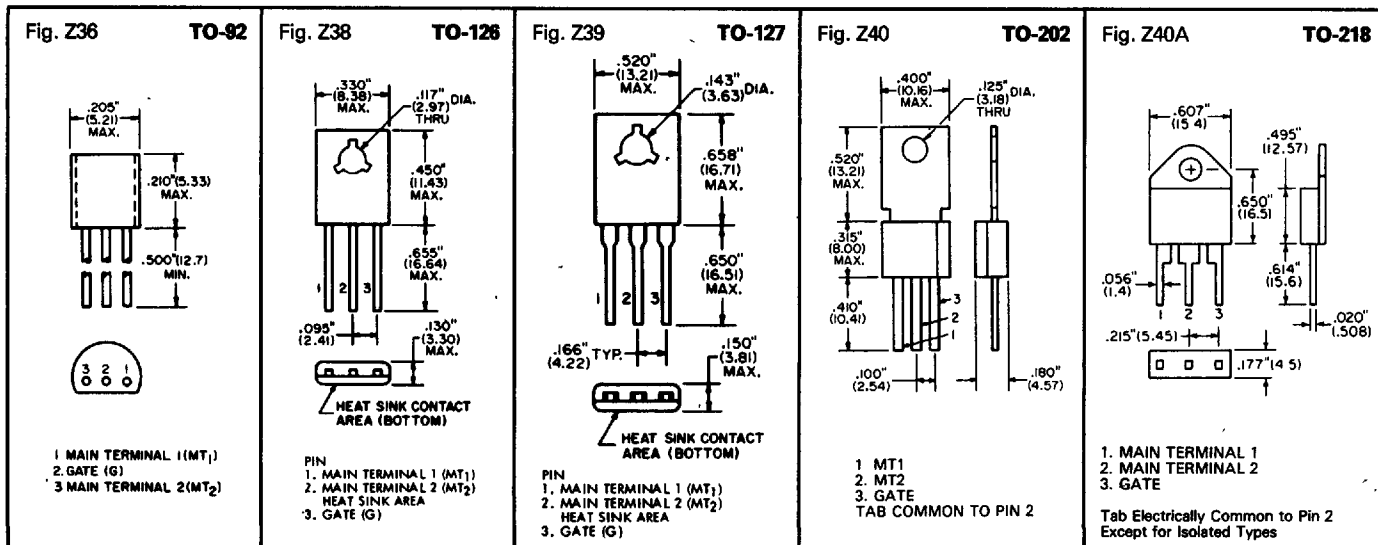
* 3 Mode device not specified in Quadrant IV

Package Outlines - See Page 1-114

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

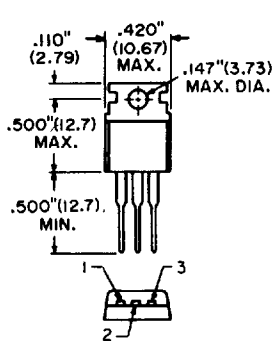
TRIAC Outlines



TRIAC Outlines (cont'd)

Fig. Z41

TO-220



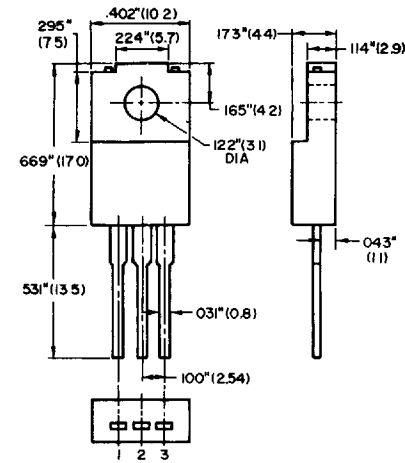
PIN

1. MAIN TERMINAL 1 (MT1)
2. MAIN TERMINAL 2 (MT2)
3. GATE (G)

Tab Electrically Common
to Pin 2 except for
Isolated Types

Fig. Z41D

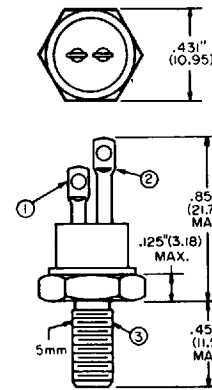
TO-220J



1. MAIN TERMINAL 1
2. MAIN TERMINAL 2
3. GATE

Fig. Z48A

TO-64M



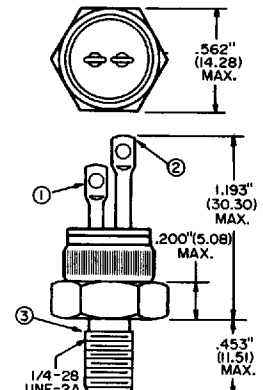
PIN

1. GATE (G)
2. MAIN TERMINAL 1 (MT1)
3. MAIN TERMINAL 2 (MT2)

Torque to 12 in-lbs min.
15 in-lbs max

Fig. Z49

TO-48

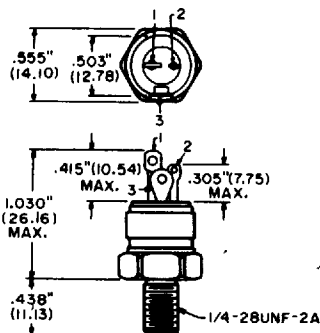


PIN

1. GATE (G)
2. MAIN TERMINAL 1 (MT1)
3. MAIN TERMINAL 2 (MT2)

Torque to 25 in-lbs min;
30 in-lbs max

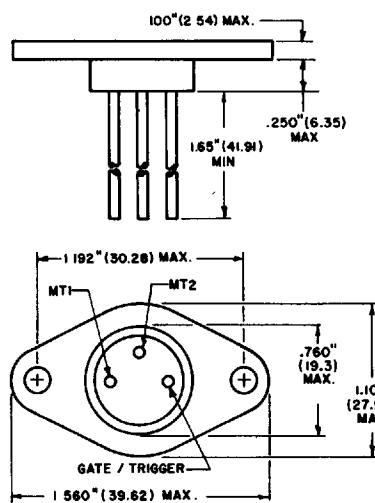
Fig. Z50

TO-48
Isolated Stud

- PIN
1. MAIN TERMINAL 1
2. GATE
3. MAIN TERMINAL 2

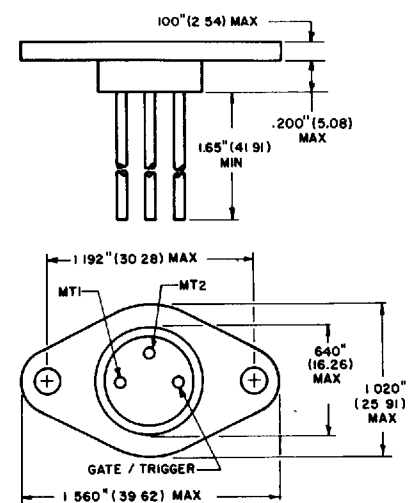
Torque to 25 in-lbs min;
30 in-lbs max

Fig. Z59

3/4" Swedge TO-3
Isolated Flange

All Terminals Electrically Isolated from Case.

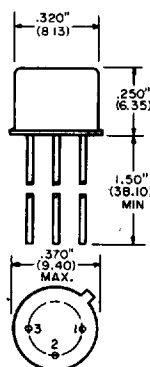
Fig. Z60

5/8" Swedge TO-3
Isolated Flange

All Terminals Electrically Isolated from Case.

Fig. Z61

TO-5



- PIN 1. MAIN TERMINAL 1 (MT1)
PIN 2. GATE (G)
PIN 3. MAIN TERMINAL 2 (MT2)
COMMON TO CASE

Fig. Z62

1/2" Press Fit

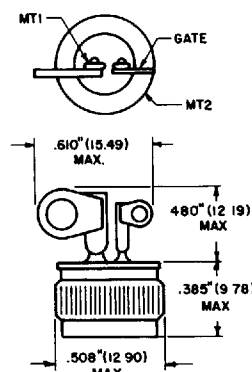
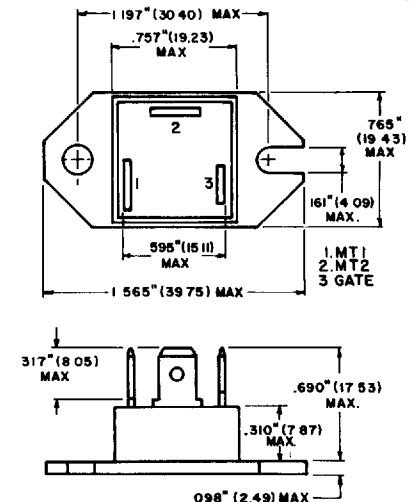


Fig. Z63

Square Pak TO-3
Isolated Flange

All Terminals Electrically Isolated from Case.