

T-25-13

**Triacs**

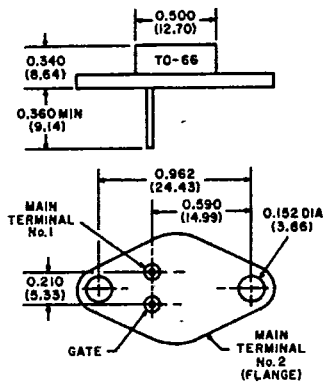
RMS Current	$I_T$ (RMS) (A)	0.8	2.5	2.5	4	8	8	10	10	15
Surge Current	$I_{TSM}$ (A)	8	25	25	30	100	100	100	120	100
Peak Off-State Voltage	$V_{DROM}$ (V)									
	50	-	-	-	SK6601/5601	-	-	SK6630/5622	-	-
	100	-	SK6740/5640	SK5550/5650	SK3664/5602	-	-	SK3631/5623	-	-
	200	SK5555/5655	SK3583/5641	SK5551/5651	SK3665/5603	SK6707	-	SK3632/5624	-	SK3611
	400	SK5556/5656	SK3506/5642	SK5552/5652	SK3666/5605	SK6708/5608	SK5538/5638	SK3633/5626	-	SK3507
	600	SK5557/5657	SK3519/5643	-	SK6607/5607	SK6709/5609	-	SK6635/5628	SK5545/5645	-
Gate Trigger Current	$I_{GT}$ (mA)	5	10	3	30	10/15	20	50	50	80
Gate Trigger Voltage	$V_{GT}$ (V)	2	2.2	2.2	2.5 Max 1.4 Typ	2.5 Max 1.25 Typ	2.5 Max 1.25 Typ	2	2.5	2.5
Gate Power	$P_{GM}$ (W)	5	10	0.05*	10	16	16	10	20	16
Critical Rate Applied Fwd Voltage	$dv/dt$ (V/ $\mu$ s)	5	10	0.5	5	60	10	5	60	10
Case		TO-92	TO-5	TO-5	TO-126	TO-220	TO-220†	TO-127	TO-220†	TO-66
Outline No.		S-031	S-017	S-017	S-022	S-014	S-014	S-019	S-014	S-012

\* $P_{G(AV)}$  Isolated Tab

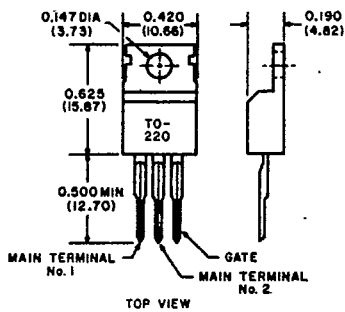
**Triacs (continued)**

RMS Current	$I_T$ (RMS) (A)	15	15	16	25	25	30	40	40	40	40
Surge Current	$I_{TSM}$ (A)	100	150	150	300	175	300	300	300	300	300
Peak Off-State Voltage	$V_{DROM}$ (V)										
	50	-	-	SK5131/5631	-	-	SK6681/5681	-	-	-	-
	100	-	-	SK3937/5632	-	-	SK6682/5682	-	-	-	-
	200	SK5173/5673	SK3658/56004	SK3938/5633	-	-	SK6683/5683	SK3652/5693	SK3661/56022	-	SK5588/5688
	400	SK3508/5675	SK3659/56006	SK3533/5635	SK3993/56014	SK5704	SK6685/5685	SK3509/5695	SK3662/56024	-	SK5589/5689
	500	SK5176/5676	-	-	-	-	SK6686/5686	-	-	-	-
	600	SK3520/5677	SK3660/56008	SK5137/5637	-	-	SK3521/5687	SK3522/5697	SK3663/56026	SK5579/5679	SK5590/5690
Gate Trigger Current	$I_{GT}$ (mA)	80	50/75	50	50	50	50/80	80	50/80	4A Max.	50/80
Gate Trigger Voltage	$V_{GT}$ (V)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Gate Power	$P_{GM}$ (W)	16	20	16	40	-	40	40	40	0.8*	0.75*
Critical Rate Applied Fwd Voltage	$dv/dt$ (V/ $\mu$ s)	10	5	10	200	-	20	30	-	5	30
Case		TO-48	TO-220	TO-220	TO-238	TO-218	TO-48	TO-48	Isolated Stud	TO-238	Pressfit
Outline No.		S-015	S-014	S-014	S-025	S-034	S-015	S-015	S-021	S-025	S-033

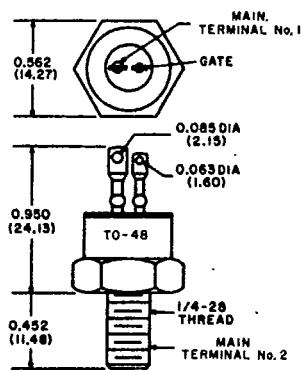
\* $P_{G(AV)}$   $I_L$  Latching Current = 20 mA



S-012

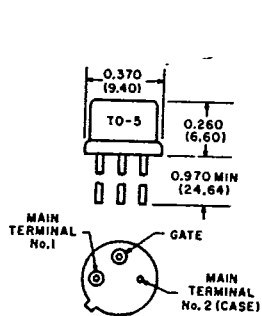


S-014

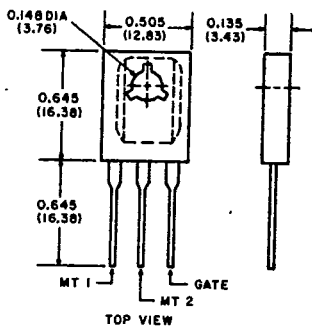


S-015

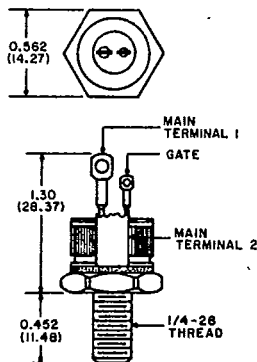
**SK5538 and SK5545  
 Tab Isolated**



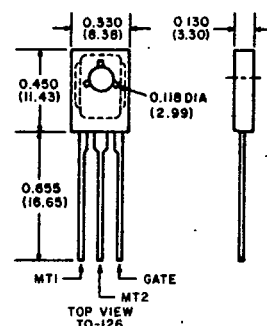
S-017



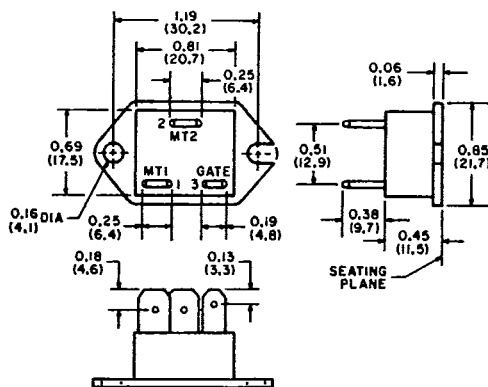
S-019



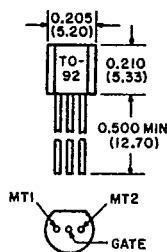
S-021



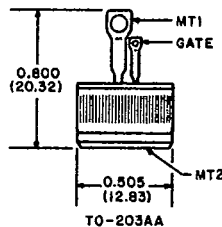
S-022



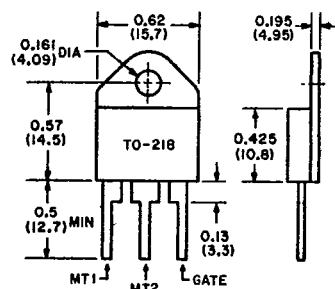
S-025



S-031



S-033



S-034

Basing matches JEDEC TO-3 Outline;  
 Flange is isolated

*Dimensions in inches (millimeters).  
 All dimensions are max. unless otherwise indicated.*

