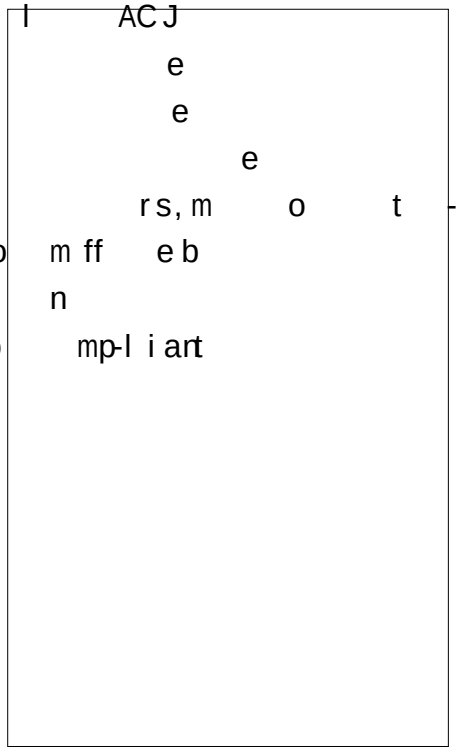
ACJT02V-800SW 2A TRIAC

Rev.A.1.1

DESCRIPTION:

The T02V-800SW triac is suitable for AC switching. It can be used in applications such as home appliances, starting circuits, for phase dimming. The T02V-800SW triacs, most of which are offered in the standard Package SOT-223, is RoHS compliant.



MAIN FEATURES

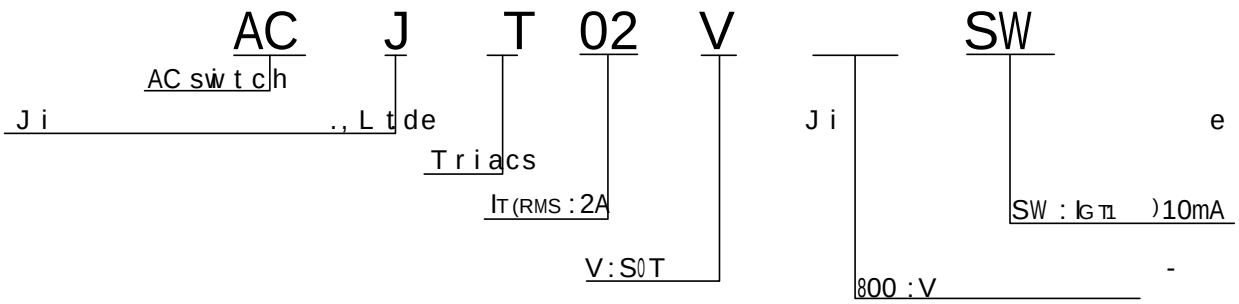
ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction temperature	T_{stg}	-40 to 150	°C
Operating junction temperature	T_j	-40 to 125	°C
Repetitive peak off-state voltage	V_{DRM}	800	V
Repetitive peak reverse voltage	V_{RRM}	800	V
RMS on-state current (full sine wave)	$I_{T(RMS)}$	2	A
Non repetitive surge peak on-state current (full cycle, T_p=20ms, T_j=25°C)	I_{TSM}	25	A
Non repetitive surge peak on-state current (full cycle, T_p=16.6ms, T_j=25°C)		27.5	A
I^2t value for fusing (t_p=10ms, T_j=25°C)	I^2t	3.125	A^2s
Critical rate of rise of on-state current (I_G=2× I_{GT}, f=100Hz, T_j=125°C)	dI/dt	100	A/µs
Peak gate current (t_p=20µs, T_j=125°C)	I_{GM}	2	A
Average gate power dissipation (T_j=125°C)	$P_{G(AV)}$	0.1	W
Peak gate power	P_{GM}	10	

P e (T=25 ;n ro n stat 8	V_{pp} -	4.75 -	kV

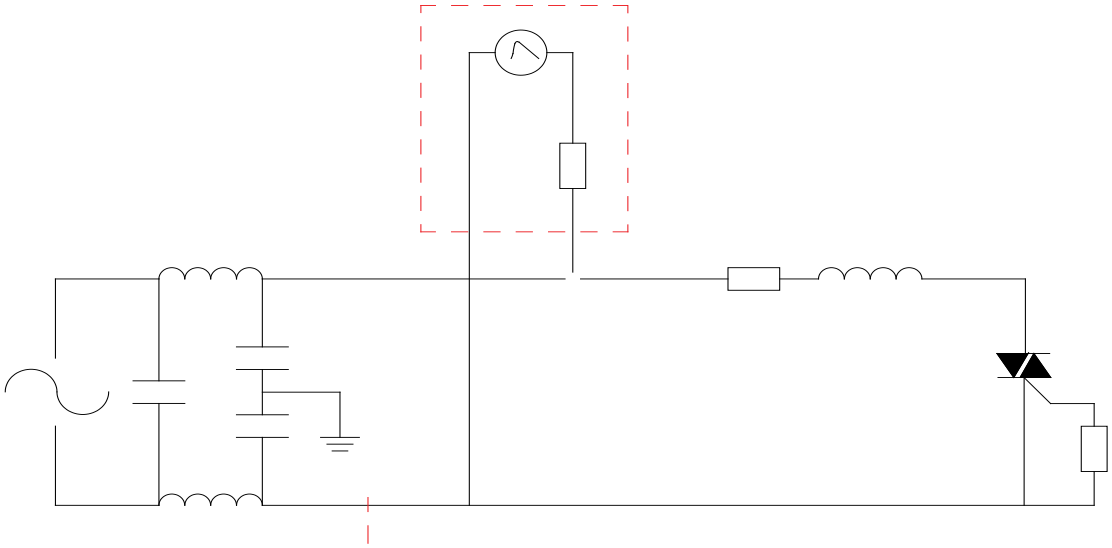
ELECTRICAL CHARACTERISTICS (T=25

ORDERING INFORMATION

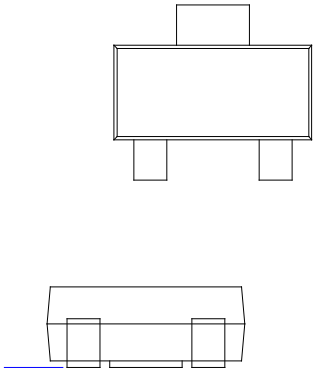


ACJT02V-800SW

FIG.8 T e 61000 5 s tsadardscu i t f o



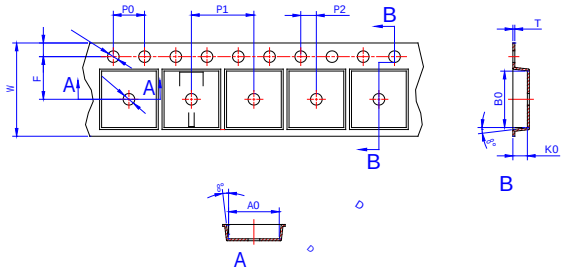
PACKAGE MECHANICAL DATA



R						
	Millim e			Inch e		
	Min	Typ.	Max	Min	Typ.	Max
A	1.50	1.60	1.80	0.059	0.063	0.071
A1	0.01	0.06	0.10	0.001	0.002	0.004
B	2.90	3.00	3.10	0.114	0.118	0.122
B1	0.60	0.70	0.80	0.024	0.028	0.031
C	0.22	0.26	0.32	0.009	0.010	0.013
	6.30	6.50	6.70	0.248	0.256	0.264
	3.30	3.50	3.70	0.130	0.138	0.146
F	4.40			0.173		
F1	2.20			0.087		
G	0.50		1.00	0.020		0.039
H	1.50	1.75	2.00	0.059	0.069	0.079
J	6.70	7.00	7.30	0.264	0.276	0.287
K						

D

DELIVERY MODE



R						
	Millim e			Inch e		f
	Min	Typ.	Max	Min	Typ.	Max
W			12.30		-	0.482
	1.65	1.75	1.85	0.065	0.069	0.073
F	5.45	5.50	5.55	0.215	0.217	0.219
		1.55	1.60	-	0.061	0.063
						-
P0	3.90	4.00	4.10	0.154	0.157	0.161
P1	7.90	8.00	8.10	0.311	0.315	0.319
P2	1.95	2.00	2.05	0.077	0.079	0.081
10P0	39.80	40.00	40.20	1.567	1.575	1.583
A0	6.85	6.95	7.05	0.269	0.273	0.276
B0	7.15	7.25	7.35	0.280	0.284	0.288
K0	1.95	2.05	2.15	0.076	0.080	0.084
T	0.20	0.25	0.30	0.008	0.010	0.012

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