0H-6E 4A TRIAC

Rev A.1.0

CRIPTION:

0410H-6E triac is suitable for general purpose AC
ing. It can be used as an ON/OFF function in
ations such as heating regulation, induction motor
g circuits, for phase control operation in light
rs, motor speed controllers. Compared to
nal triacs, T0410H-6E provides a very high
ing capability up to junction temperatures of 150°C.
be driven directly through the MCU I/O port. Package
3 is RoHS compliant.

FEATURES

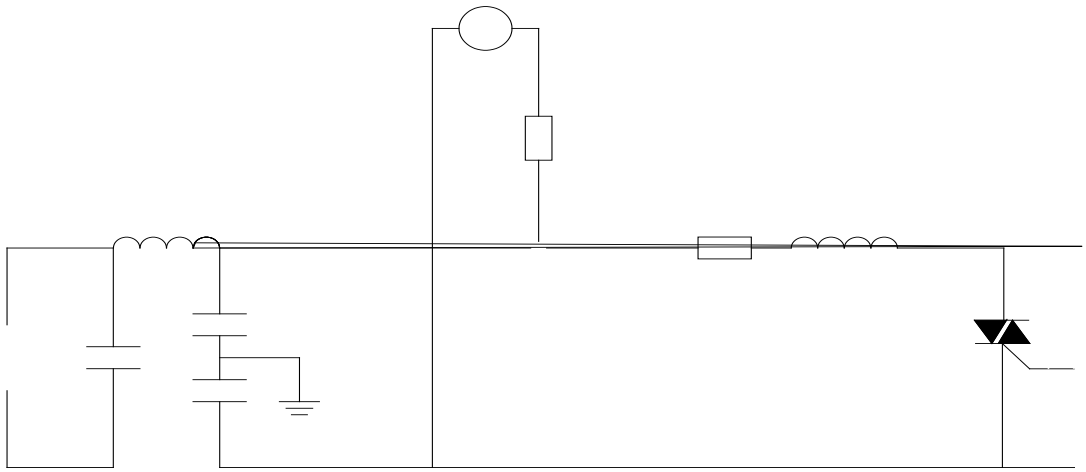
OLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
ge junction temperature range	T_{stg}	-40-150	
ating junction temperature range	T_j	-40-150	
titive peak off-state voltage (T_j=25)	V_{DRM}	600	V
titive peak reverse voltage (T_j=25)	V_{RRM}	600	V
on-state current (T_C 137)	$I_{T(RMS)}$	4	A
epetitive surge peak on-state current ycle , t_p=20ms , T_j=25)	I_{TSM}	40	A
epetitive surge peak on-state current ycle , t_p=16.6ms , T_j=25)		44	
ue for fusing (t_p=10ms , T_j=25)	I^2t	8	A^2s
al rate of rise of on-state current × I_{GT} , f=100Hz , T_j=150)	dI/dt	50	A/μs
	I_{GM}	4	A

8.04 -0.00

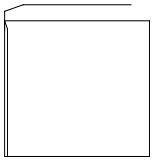
T0410H-6E

FIG.8 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



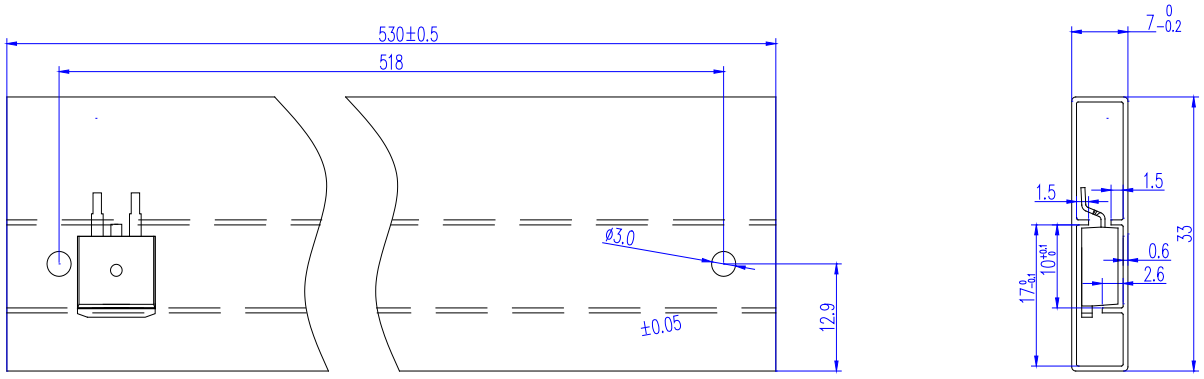
T0410H-6E

PACKAGE MECHANICAL DATA



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	9.90		10.20	0.390		0.402
B	14.70		15.80	0.579		0.622
C	9.40		9.60	0.37		0.378
D	2.40			0.094		
E	1.20		1.50	0.047		0.059
F	0.75		0.85	0.029		0.033
G			1.50			
H	4.40		4.70	0.173		0.185
J	2.30		2.70	0.091		0.106
K	0.38		0.55	0.015		0.022
L	0		0.25			
M	1.25		1.35			

DELIVERY MODE



PACKAGE	OUTLINE	TUBE (PCS)	INNER BOX (PCS)	PER CARTON
TO-263	TUBE	50	1,000	5,000

	Dimensions					
Ref.	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
W	23.70	24.00	24.30			
E	1.65	1.75	1.85			
F	11.40	11.50	11.60			
D0	-	1.50	1.60			
D1		1.50	1.60			
P0	3.90	4.00	4.10			
P1	15.90	16.00	16.10			
P2	1.90	2.00	2.10			
A0		10.90	11.-5 (6.)4.9 (00)-1661.85			
B0						
K0						
t						

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