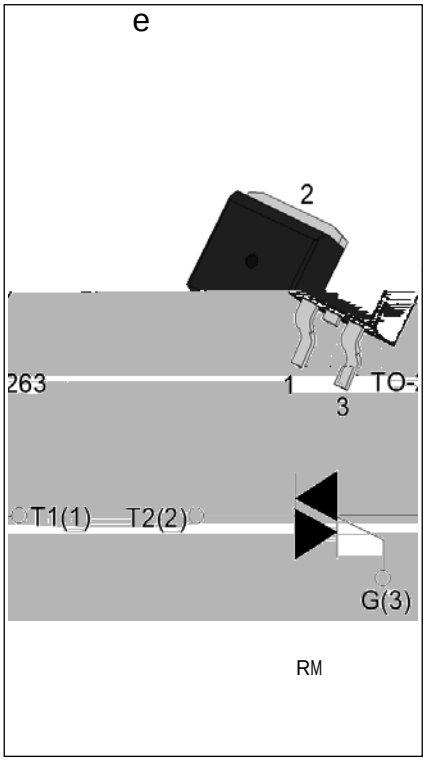
T0435H-8E 4A TRIAC

Rev.A.1.0

DESCRIPTION:

Th T0435H-8E triac is suitabl e
switching. It can b e us
applicatins such as h e ating
starting circuits, fr phas
itr sp par e riacs,
T0435H-8E prvid a v e e ryhigh
junctin t . Packag TO-263 is RHS
cpliant .



MAIN FEATURES

Symbol	Value	Unit
$I_{T(RMS)}$	4	A
V /V_{RRM}	800 D	V
I_{GT} / /	35/35/35	IA

ABSOLUTE MAXIMUM RATINGS

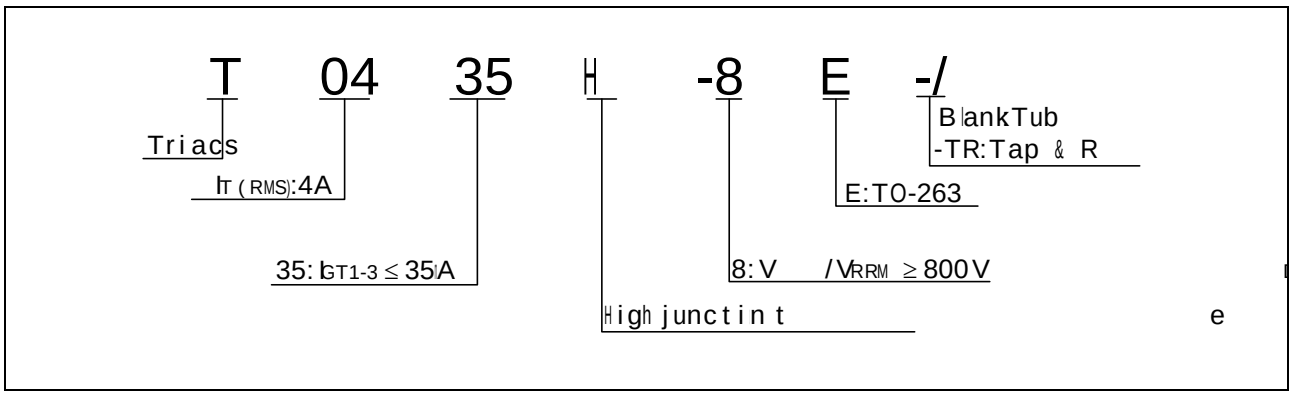
Parameter	Symbol	Value	Unit
Strag e	T_{stg}	-40-150 junctin t	
Op junctin t e	T_j	e -40-150 rating	p
R -stat =25)	V	e 800 p	V D Mta
R =25)	V_{RRM}	800 p	V
RMS n -stat ≤137)	$I_{T(RMS)}$	4	A curr
Nnr -stat e (full cyl p=20s, T =25) e	I_{TSM}	40	A
Nnr -stat e (full cyl p=16.6s, T =25) e		44	
I^2t alu p=10s, T =25) e	I^2t	8 fr fus ng (t	A^2s
ritical rat -stat (G=2× I_{GT}, f=100Hz, T =150)	dI/dt	80	A s
P p=20 s, T=150 e)	I_{GM}	4 ak gat	A
Av =150)	$P_{G(AV)}$	1 rag	W
P e	P_{GM}	10 ak gat	W

P e (T=25 ; nn -r -stat 8)	Vpp	4	k V

ELECTRICAL CHARACTERISTICS (Tj=25 unl e

Symbol	Test Condition	Quadrant	Value		Unit
IGT	V =12V RL=33	- -	MAX.	35	mA
VGT		- -	MAX.	1	V
VG	V =V Tj=150 RL=3.3K	- -	MIN.	0.2	V
IL	IG =1.2 IGT	-	MAX.	40	mA
				50	
IH	IT =100mA		MAX.	30	mA

ORDERING INFORMATION



MARKING

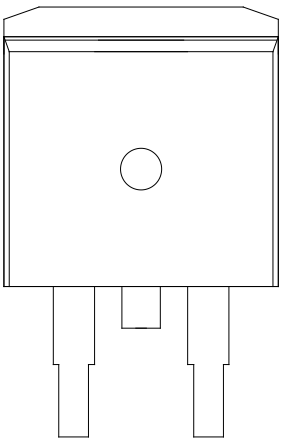


FIG.1 Maximum power dissipation vs. on-state current

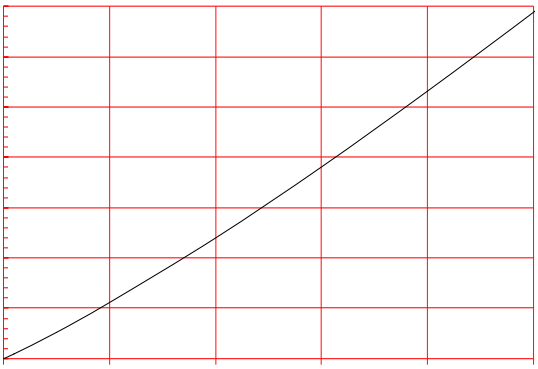
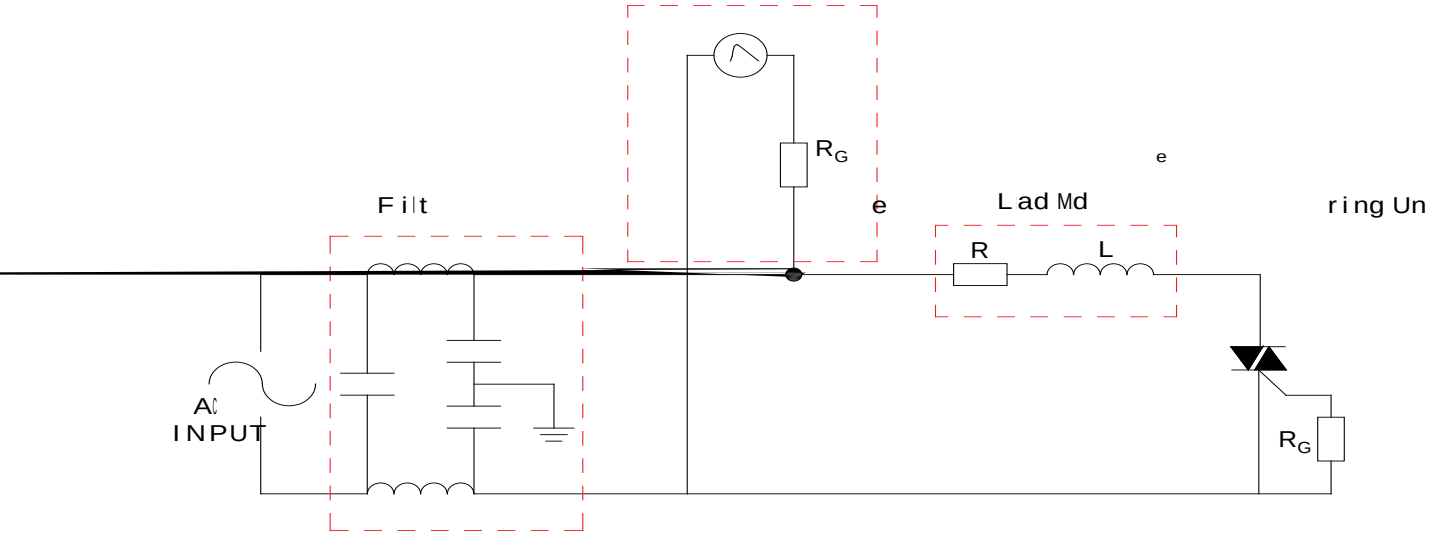


FIG.2: RMS on-state current vs. power dissipation

T0435HT0435HT0 435H 435H435Hieie

FIG.8 T e -61000-4-5 standards st circuit f

IE61000-4-5 Standards
Surg e



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DELIVERY MODE