JST16E-1200CW 16A TRIAC

Rev.A.1.2

DESCRIPTION:

The JST16E-1200CW triac is suitable for general purpose AC

switching. It can be usaenft( )]TJ 0 Tc 0 Tw (t)2 his scsh(t)1.1 ing(t)2 hihidgtor76 ( )]TJ 0 Tc 0 Tw-25.3
ersmEor76 (-)10 (s)4 1200CS6E-

Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.8)	V_{pp}	4	kV

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D =12V R_L =33	- -	MAX.	35	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	V_D =V_{DRM} T_j =125 R_L =3.3k				

ORDERING INFORMATION

J ST 16 E -1200 CW -/

- J: JieJie Microelectronics Co., Ltd.
- ST: Triacs
- 16: $I_{T(RMS)}$:16A
- E: E:TO-263
- -1200: 1200:V_{DRM} /V_{RRM} 11200 V
- CW: CW:I_{GT1-3} 035 mA
- -/: Blank:Tube; -TR:Tape &Reel

MARKING

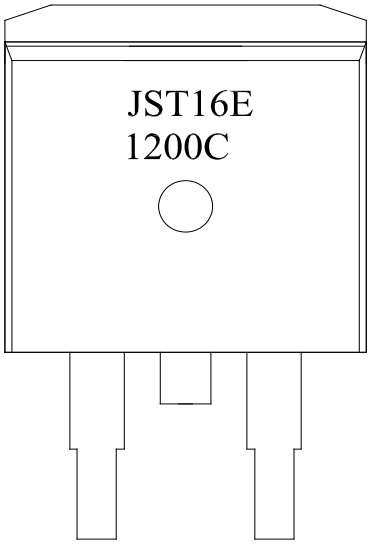


FIG.1: Maximum power dissipation versus RMS on-state current

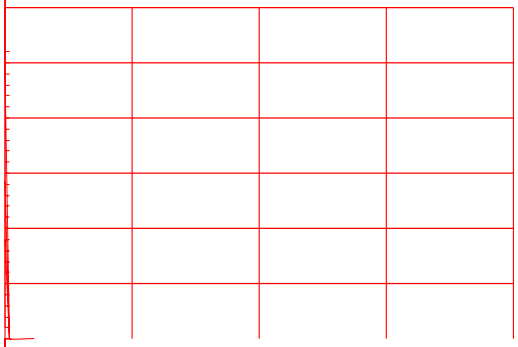
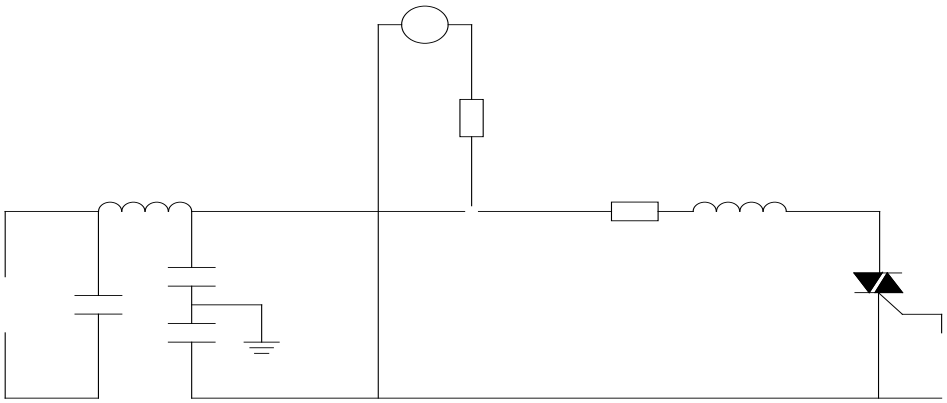


FIG.2: RMS on-state current versus case temperature

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



ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
JST16E-1200CW	1200	35	TO-263	50	Tube
JST16E-1200CW-TR				800	Tape & Reel

Document Revision History

Date	Revision	Changes
Apr.12, 2023	A.1.0	Last updated
Oct.20, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA
Sept.15, 2026	A.1.2	Revise I_{TSM}, dV/dt

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	0.370		0.378
D	2.40			0.094		
E	1.20		1.50			
F						

DELIVERY MODE