T1220H-8E 12A TRIAC

DESCRIPTION:

The T1220H-8E triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. Compared to traditional triacs, T1220H-8E provides a very high switching capability up to junction temperatures of 150°C. Package TO-263 is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Valkagj

Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.8)	V_{pp}	4.5	kV

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value	Unit
T]) e	(6 X f(, õf', õAQ V			
I_{GT}	V_D =12V R_L =33			

ORDERING INFORMATION

T 12 20 H -8 E -/

- T: Triacs
- 12: $I_{T(RMS)}$:12A
- 20: I_{GT1-3} 020 mA
- H: High junction temperature
- -8: V_{DRM} /V_{RRM} 1800 V
- E: TO-263
- -/: Blank:Tube; -TR:Tape & Reel

MARKING

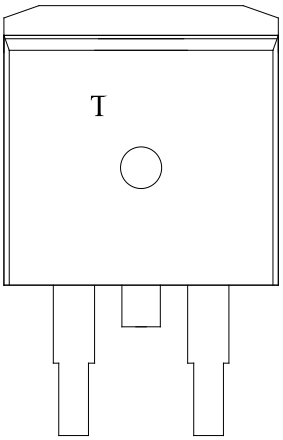


FIG.1 Maximum power dissipation versus RMS on-state current

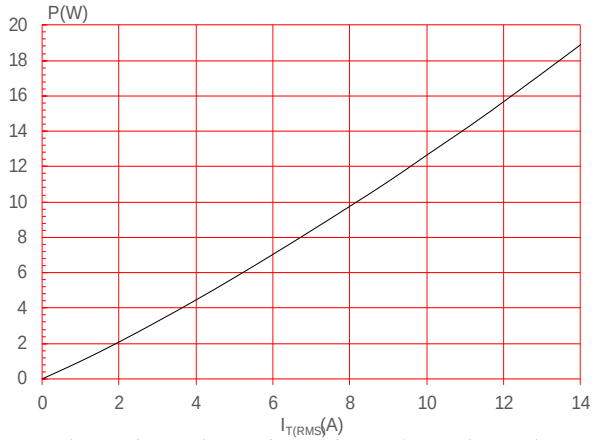


FIG.2: RMS on-state current versus case temperature

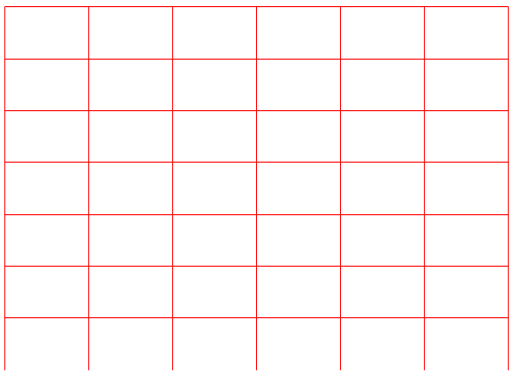


FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature

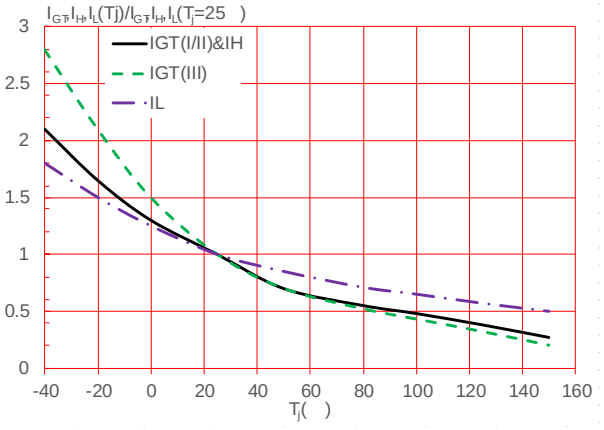
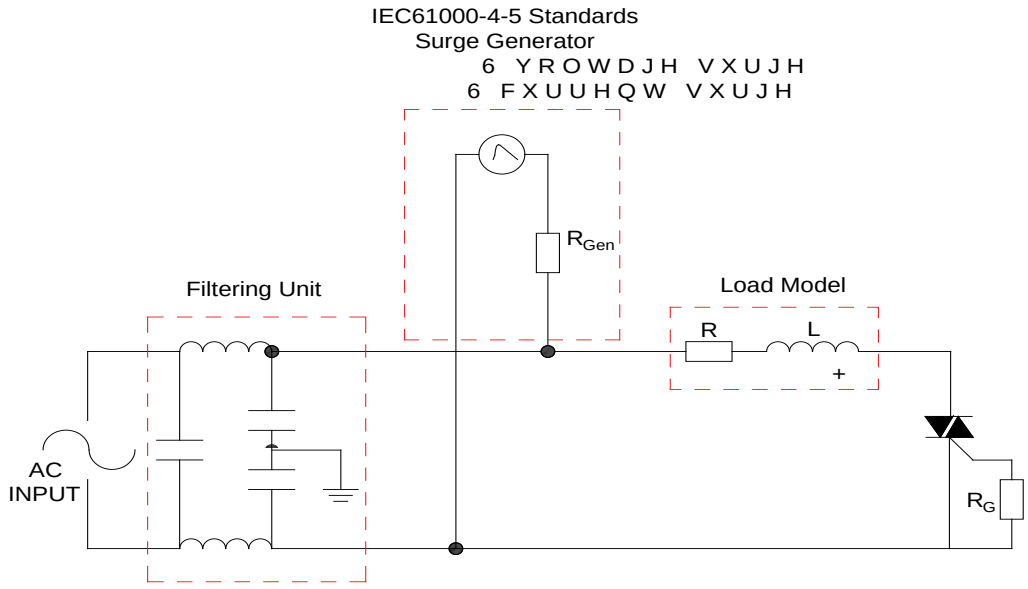


FIG.8 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards



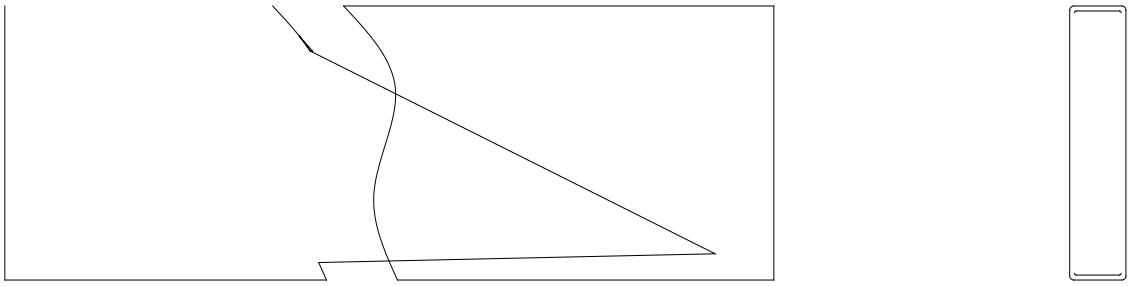
ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
T1220H-8E	800	20	TO-263	50	Tube
T1220H-8E-TR				800	Tape & Reel

Document Revision History

Date	Revision	Changes
Apr.11, 2023	A.1.0	Last updated

DELIVERY MODE



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