T1220H-6C 12A TRIAC

Rev.A.1.1

DESCRIPTION:

The T1220H-6C 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-6C provides a very high switching ca(5002 Tw -25.13 -1.5.a- (ov)14 (i)6 (d.5.a Tc 0 Tw 2.95 (

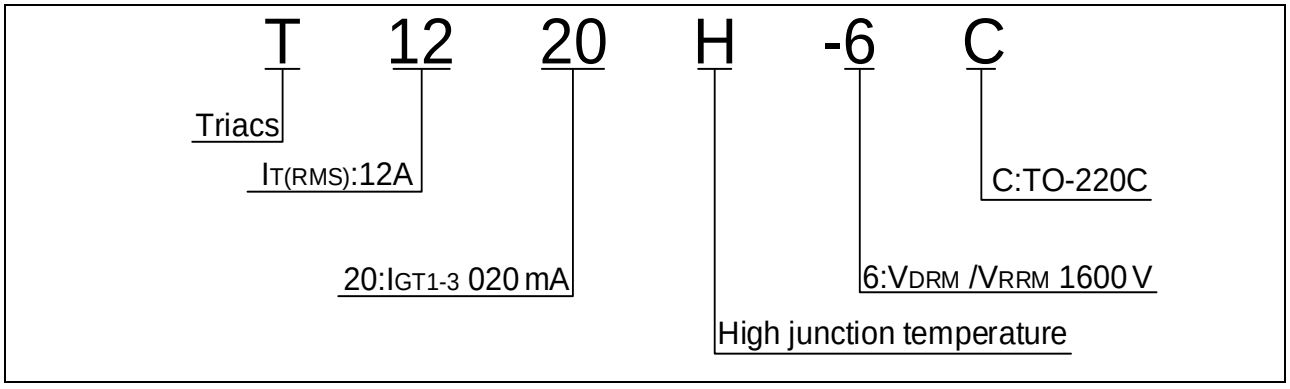
Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.7)	V_{pp}	4.5	kV

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D =12V R_L =33	- -	MAX.	20	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	V_D =V_{DRM} T_j =150 R_L =3.3k	- -	MIN.	0.2	V
I_L	I_G =1.2I_{GT}	-	MAX.	25	mA
				55	
I_H	I_T =500mA		MAX.	25	mA
dV/dt	V_D=400V Gate Open T_j =150		MIN.	500	V s

(dI/dt)c G 9 G W F 9 Ú! "p 9Gae 5579d [(MI)-5 (N)]TJ 0 Tc 0 Tw 5 (83 0 Td [(.)-2 ( )-2 BD

ORDERING INFORMATION



MARKING

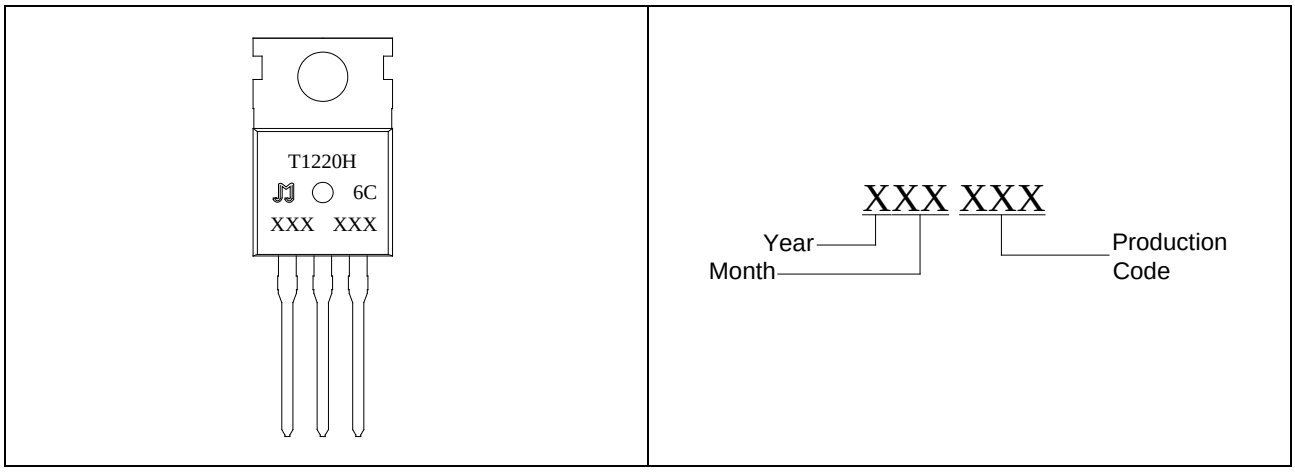
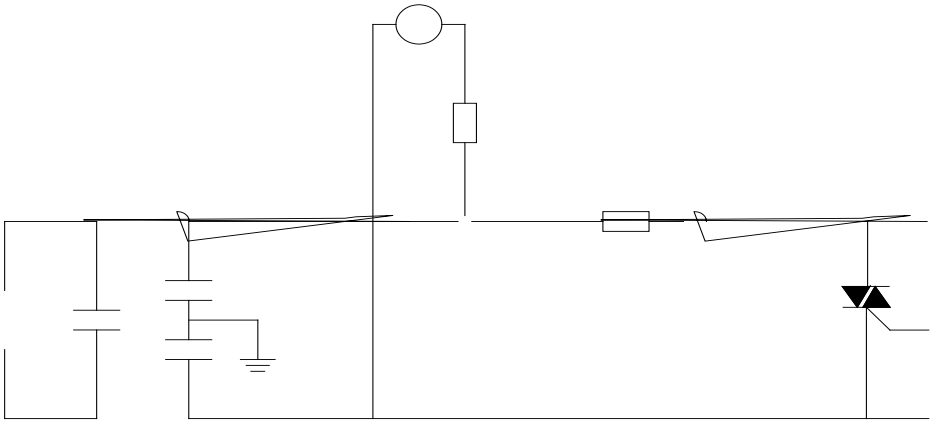


FIG.7 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards ACINPUTFilteri



ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
T1220H-6C	600	20	TO-220C	50	Tube

Document Revision History

Date	Revision	Changes
Apr.11, 2023	A.1.0	Last updated
Oct.14, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

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