

T1220H-6C 12A TRIAC

Rev.A.1.1

DESCRIPTION:

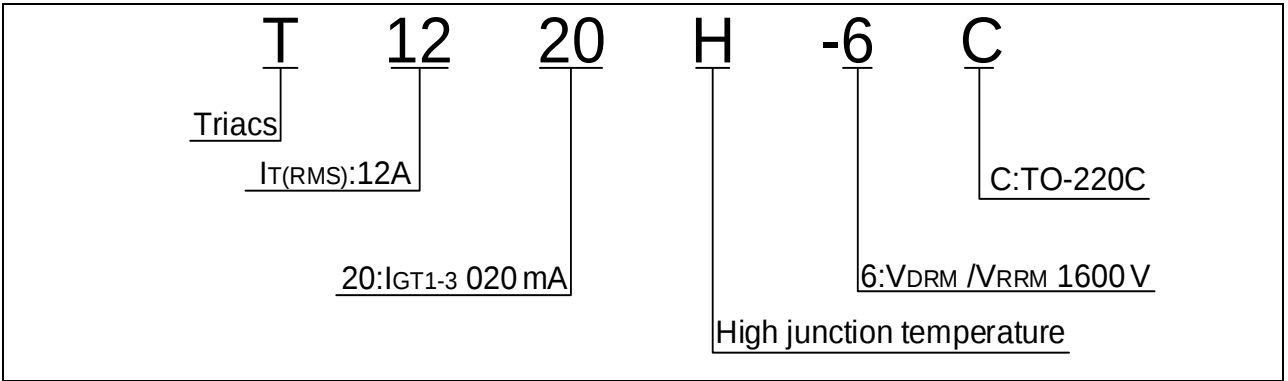
The T1220H-6C triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. Compared to traditional triacs, T1220H-6C provides 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 ($T_j=25^\circ\text{C}$; non-repetitive, off-state; FIG.7)	V_{pp}	4.5	kV
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ELECTRICAL CHARACTERISTICS (unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	$V_D=12V$ $R_L=33\Omega$	- -	MAX.	20	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	$V_D=V_{DRM}$ $T_j=150^\circ\text{C}$ $R_L=3.3k\Omega$	- -	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 $T_j=150^\circ\text{C}$		MIN.	500	V/s

ORDERING INFORMATION



MARKING

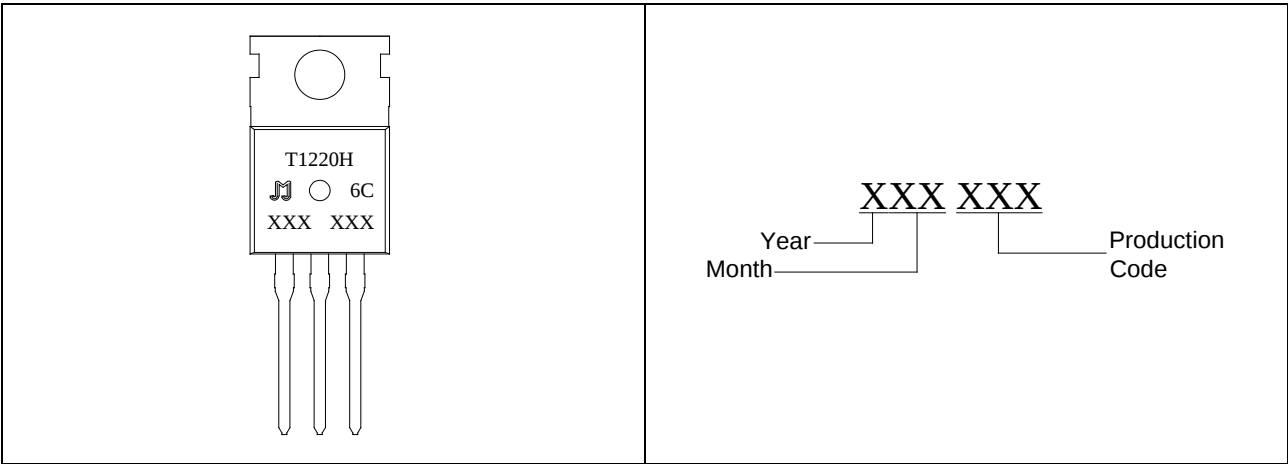
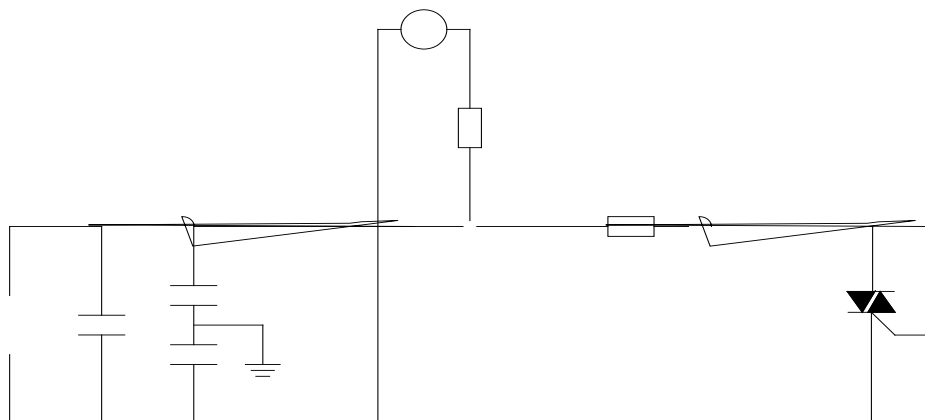


FIG.7 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards ACINPUTFilterin



ORDERING INFORMATION

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (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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