



T3035H-6Z 30A TRIAC

Rev.A.1.1

DESCRIPTION:

The T3035H-6Z 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, T3035H-6Z provides a very high switching capability up to junction temperatures of 150°C. By using an internal ceramic pad, T3035H-6Z provides a rated insulation voltage of 2500 VRMS, complying with UL standards (File ref: E252906). Package TO-3P is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
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Average gate power dissipation ($T_j=150^\circ\text{C}$)	$P_{G(AV)}$	1	W
Peak gate power	P_{GM}	10	W
Peak pulse voltage ($T_j=25^\circ\text{C}$; non-repetitive, off-state; FIG.7)	V_{pp}	1	kV

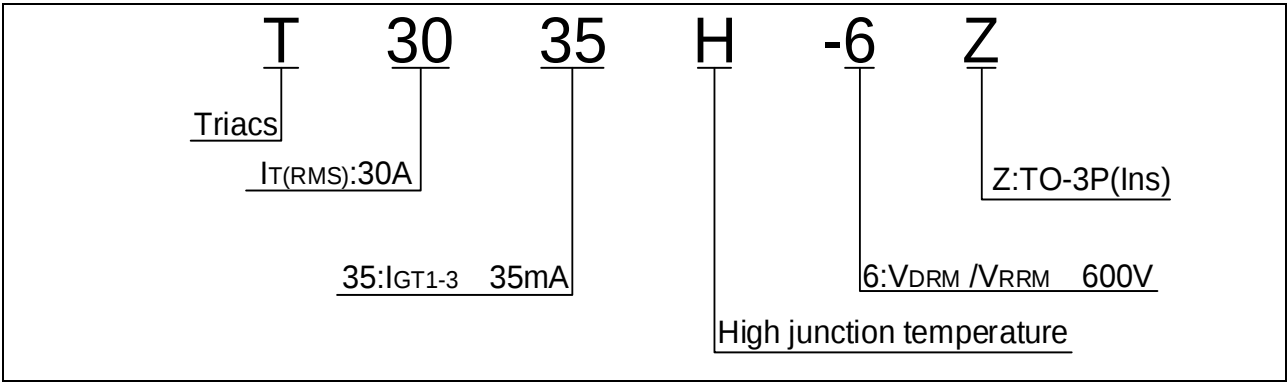
ELECTRICAL CHARACTERISTICS (unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	$V_D=12V$ $R_L=33\Omega$	- -	MAX.	35	mA
V_{GT}		- -	MAX.	1.3	V
V_{GD}	$V_D=V_{DRM}$ $T_j=150^\circ\text{C}$ $R_L=3.3k\Omega$	- -	MIN.	0.15	V
I_L	$I_G=1.2I_{GT}$	-	MAX.	70	mA
				80	
I_H	$I_T=500\text{mA}$		MAX.	50	mA
dV/dt	$V_D=400V$ Gate Open $T_j=150^\circ\text{C}$		MIN.	1200	V/s
$(dI/dt)_c$	$V_D=150V$ $T_j=150^\circ\text{C}$		MIN.	18	A/ms
t_{on}	$I_G=40\text{mA}$ $I_A=200\text{mA}$ $I_R=20\text{mA}$ $T_j=25^\circ\text{C}$		TYP.	10	s
t_{off}				80	

STATIC CHARACTERISTICS

Symbol	Parameter	Value(MAX.)	Unit
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ORDERING INFORMATION



MARKING

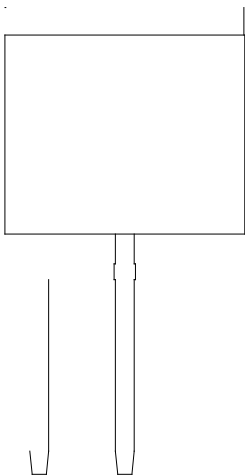
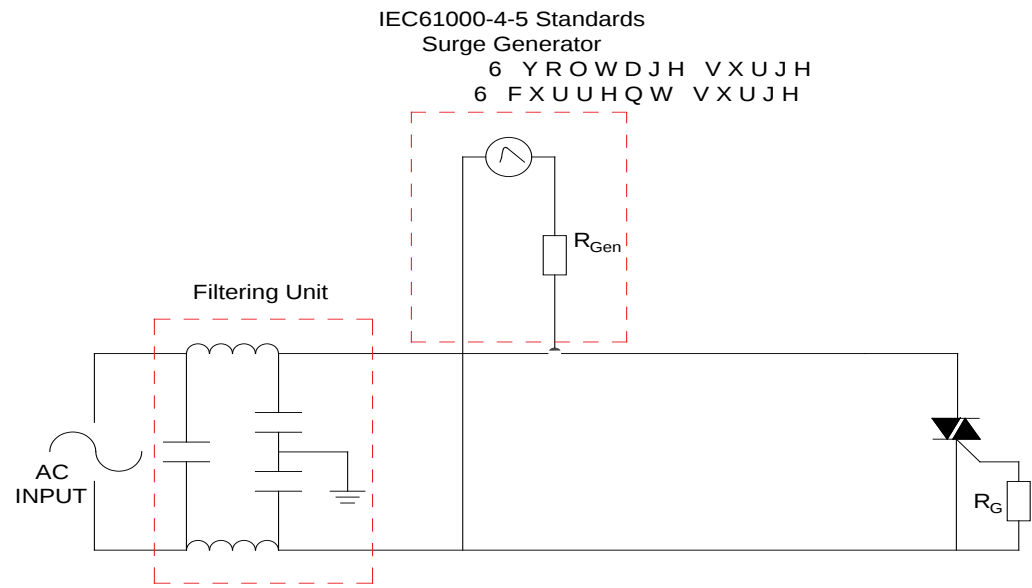


FIG.1: Maximum power dissipation versus T_A

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



ORDERING INFORMATION



PACKAGE MECHANICAL DATA



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