T1210H-6E 12A TRIAC

Rev.A.1.1

DESCRIPTION

T T1210H-6E is a high-performance glass passivated triac in a plastic package, suitable for general purpose ac switching applications. They can be used as an ON/OFF function in applications such as static relays, heating regulation, induction motor starting circuits, or for phase control operation in light dimmers, motor speed controllers, and similar power circuits where high switching current quadrant commutation capability is required. Compared to conventional triacs, T1210H-6E provides a very high commutation performance. By using an internal ceramic pad, the device provides voltage insulated tab (rated at 2500V RMS) and complies with the following standards: UL1557, VDE0806 and IEC60335-1. It can be driven directly from integrated circuit logic devices. Package TO-263 is RoHS compliant.

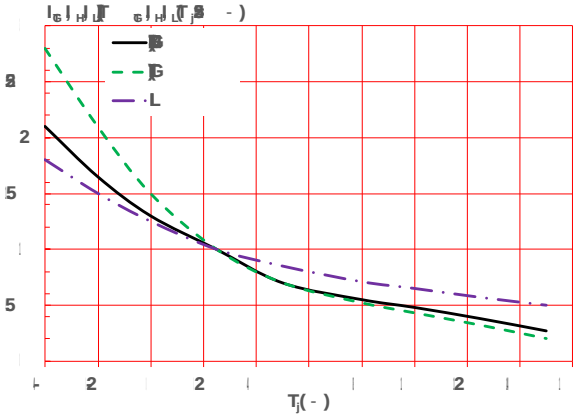
Peak gate power	P_{GM}	10	W
Peak pulse voltage (TJ=25 ; non-repetitive; 8 -	V_{pp})-	4	kV

ELECTRICAL CHARACTERISTICS (TJ=25 unless otherwise noted)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	VD=12V RL=33Ω		MAX.	- 10	mA
V_{GT}			MAX.	- -1	V
V_G	VD=VDRM Tj=150 RL=3.3kΩ	(see note 6)		-	

FIG.1: Maximum forward surge current (Non-repetitive)

FIG.7: Re l ati e a ri ati o sgate ti gger c ent
h d d i ng
j n c ti o emperature



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[redacted]

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		H- I- J			
T1210H-6E	600	10	TO-263	50	Tube
T1210H-6E-TR				800	Tape & Reel

Document Revision History 1rA10AA1rI11.GCAt8/O [(DA8/OP)70

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