



T1635H-8C 16A TRIAC

Rev.A.1.1

DESCRIPTION:

The T1635H-8C 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, T1635H-8C provides a very high switching capability up to junction temperatures of 150°C. From T2 terminals to external heatsink. Package TO-220C is RoHS compliant.

Peak pulse voltage ($T_j=25$; non-repetitive, off-state; FIG.7)	V_{pp}	4	kV
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ELECTRICAL CHARACTERISTICS ($T_j=25$ 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	V
V_{GD}	$V_D=V_{DRM}$ $T_j=150$ $R_L=3.3k\Omega$	- -	MIN.	0.2	V

I_L
 $I_G=1.2I_{GT}$

-mA-

ORDERING INFORMATION

T	16	35	H	-8	C
Triacs	$I_{T(RMS)}:16A$				C:TO-220C
		$35:I_{GT1-3} \leq 35mA$			$8:V_{DRM} / V_{RRM} \geq 800V$
			High junction temperature		

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MARKING

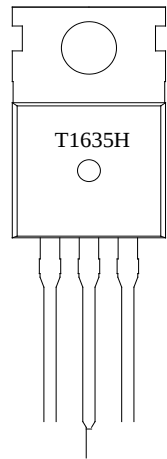


FIG.1: Maximum power dissipation versus RMS on-state current

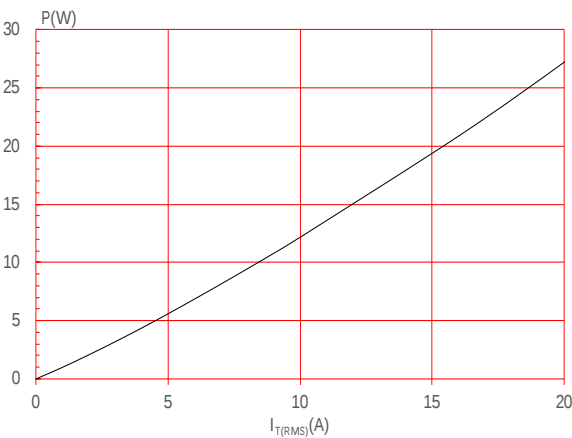
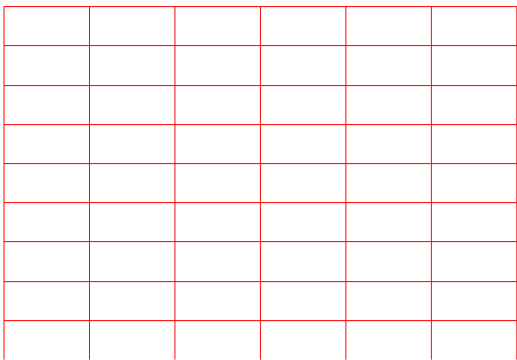


FIG.2: RMS on-state current versus case temperature



PACKAGE MECHANICAL DATA 8



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