



T1650H-8A 16A TRIAC

Rev.A.1.1

The T1650H-8A 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, T1650H-8A provides a very high switching capability up to junction temperatures of 150°C.

T1 -8A provides /C2_1 /TT2

T1650H-8A

Average gate power dissipation (Tj=150)	PG(AV)	1	W
Peak gate power	PGM	10	W

Peak pulse voltage
(T=25 ; non-V193ET Q q 57 707.16 247.

Ω -V193EMC /Span <</MCID 26 >>BDC /C2_1 1 Tf 1.33 0 T

DRM

	Gl.2I GT -V193EMC /Span <</MCID 61 >>BDC /C2_1 1 Tf 1.33 0 Td <010B>Tj EMC /Span <</MCID 62 >>BDC /C2_1 1 Tf 1.33 0 Td <010B>Tj	MAX.	mA	
H	T 00mA MAX.	60	mA	

dV/dt VD=540V Gate Open Tj=1

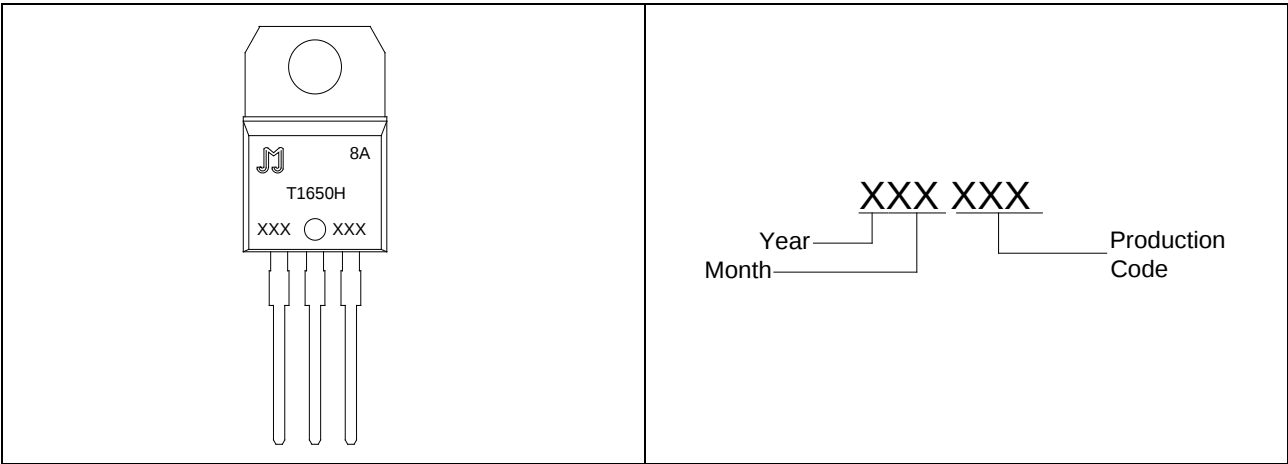
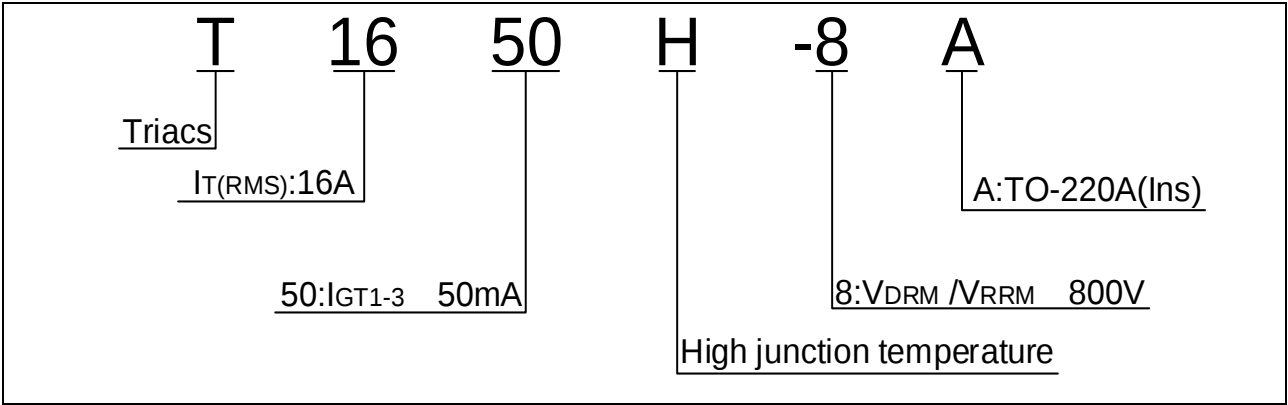


FIG.1: Maximum power dissipation versus RMS on-state current

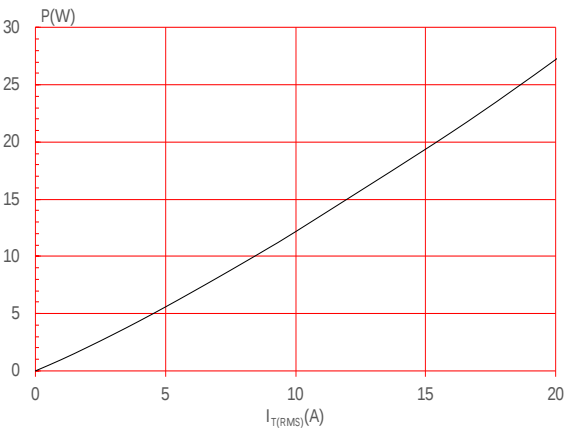


FIG.2: RMS on-state current versus case temperature



T1650H-8A

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		H- I- J			
T1650H-8A	800	50	TO-220A(Ins)	50	Tube

Document Revision History

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

