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

Average gate power dissipation (T_j=150)	$P_{G(AV)}$	1	W
Peak gate power	P_{GM}	10	W

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

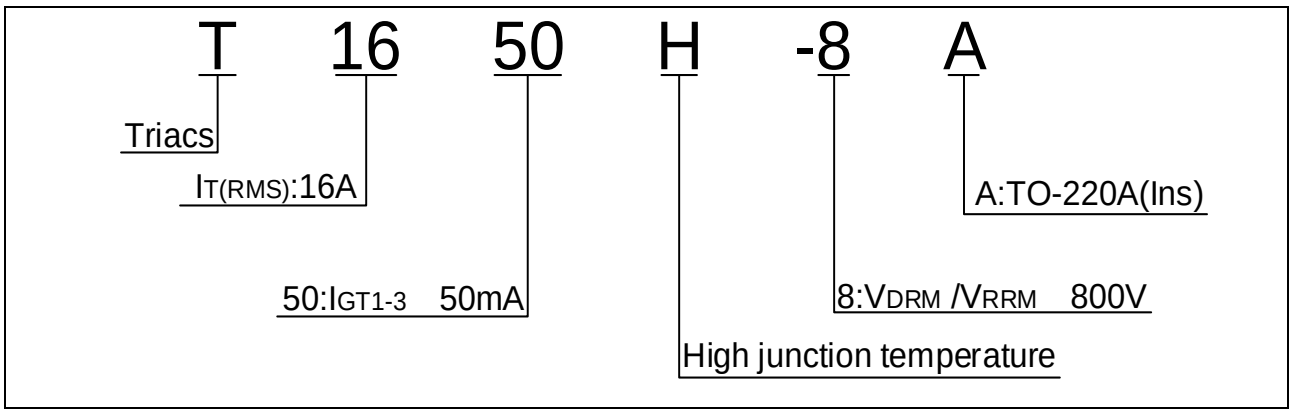
-V193EMC /Span <</MCID 26 >>BDC /C2_1 1 Tf 1.33 0 T

Ω

DRM

	G1.2I GT	-V193EMC /Span <</MCID 61 >>BDC /C2_1 1 Tf 1.33 0 Td <010B>Tj EMC /Span <</MCID 62 > MAX.	30	mA	
H	T 00mA	MAX.	60	mA	

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


T
16
50
H
-8
A
Triacs
IT(RMS):16A
50:IGT1-3 50mA
High junction temperature
8:VDRM /VRRM 800V
A:TO-220A(Ins)

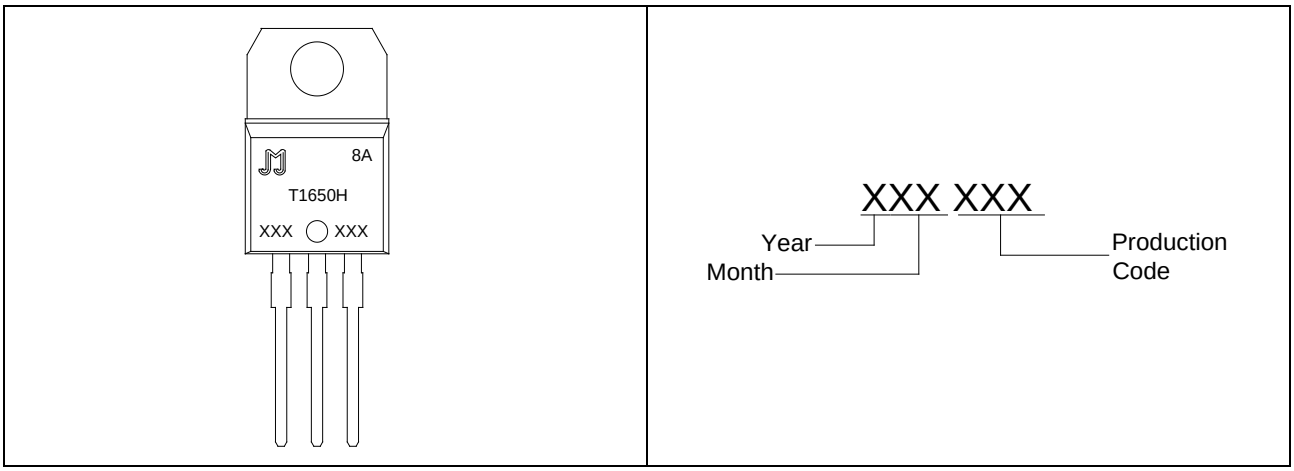

8A
T1650H
XXX XXX
XXX XXX
Year
Month
Production
Code

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

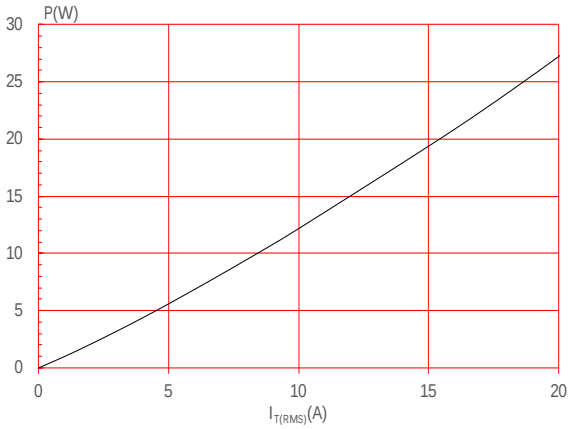


FIG.2: RMS on-state current versus case temperature

T1650H-8A

Order code	Voltage V_{DRM}/V_{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