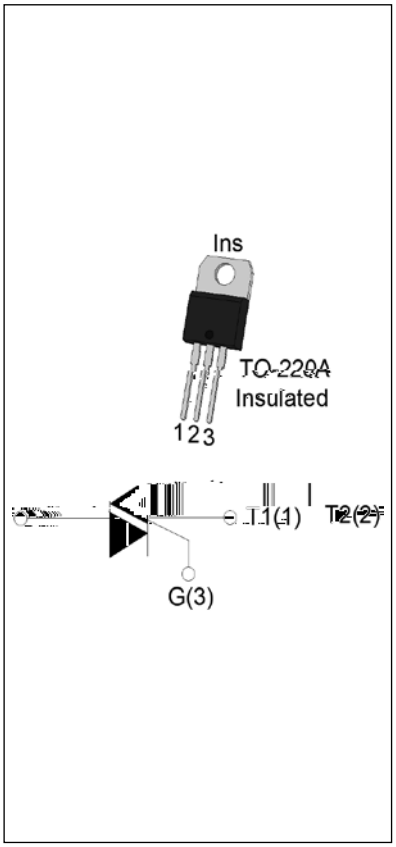
T1235H-8A 12A TRIAC

Rev A.1.1

DESCRIPTION:

The T1235H-8A uses a high performance glass passivated chip technology. Typical applications include motor control, industrial and domestic lighting, heating and static switching. The T1235H-8A is suitable for surface mount applications. Available in TO-220AB package.



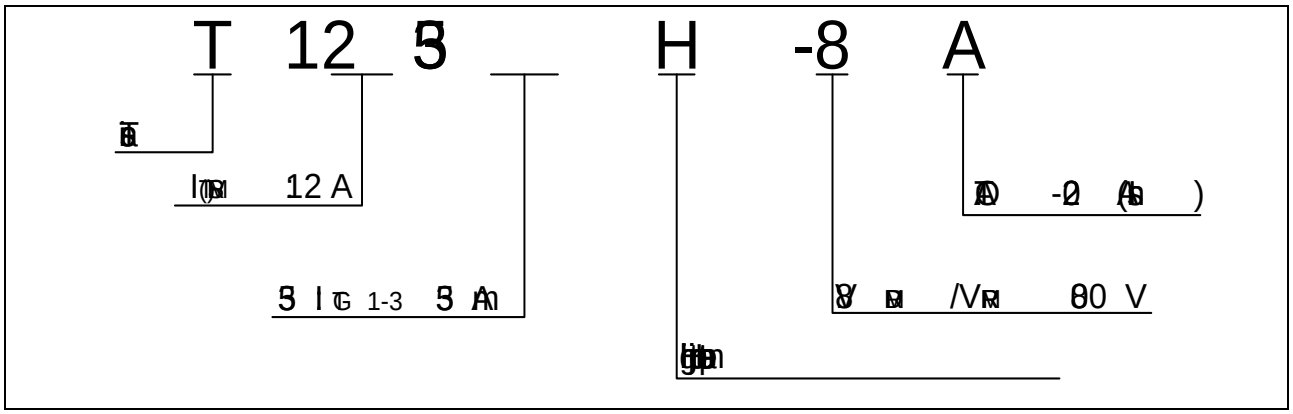
MAIN FEATURES

Symbol	Value	Unit
$I_{T(RMS)}$	12	A
V_{DRM} /V_{RRM}	800	V
I_{GT} / /	35 35 /35	mA

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction temperature range	T_{stg}	-40 ~ 150	°C
Operating junction temperature range	T_j	-40 ~ 125	°C
Repetitive peak off-state voltage (Tj = 125°C)	V_{DRM}	800	V
Repetitive peak reverse voltage (Tj = 125°C)	V_{RRM}	800	V
RMS on-state current (Tc = 114°C)	$I_{T(RMS)}$	12	A
Non repetitive surge peak on-state current (full cycle, Tj initial = 25°C)	I_{TSM}	120	A
		132	
I^2t value for fusing (tp = 10ms, Tj = 25°C)	I^2t	72	A^2s
Critical rate of rise of on-state current (I_G = 2 × I_{GT}, f = 100Hz, Tj = 125°C)	dI/dt	100	A/μs
Peak gate current (tp = 20μs, Tj = 125°C)	I_{GM}	4	A

ORDERING INFORMATION



MARKING

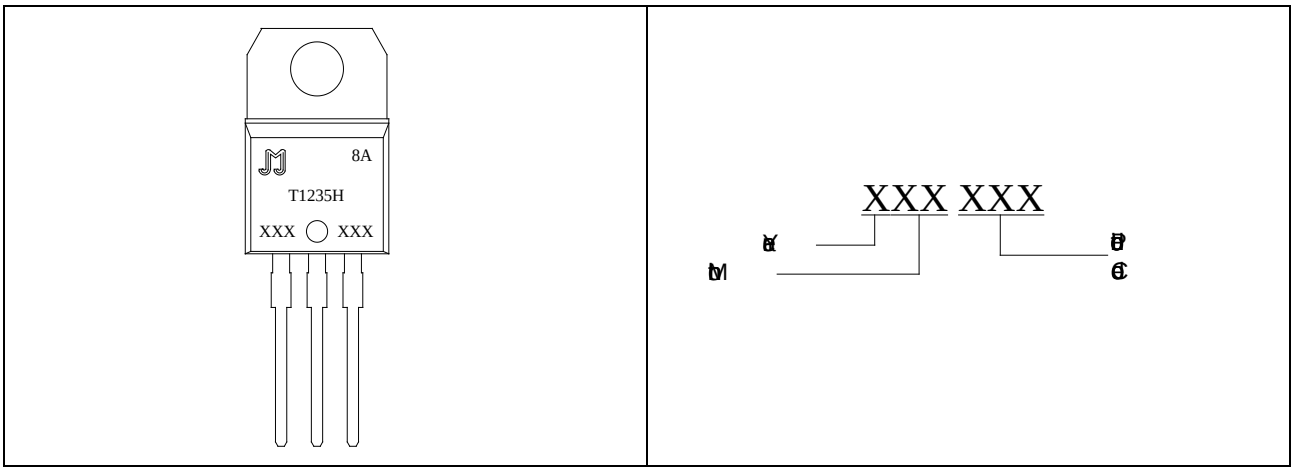


FIG.1: Max On-State Power Dissipation

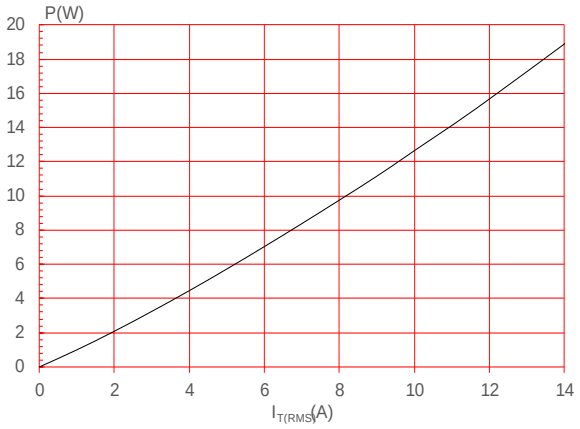


FIG.2: Max On-State Current vs Case Temperature

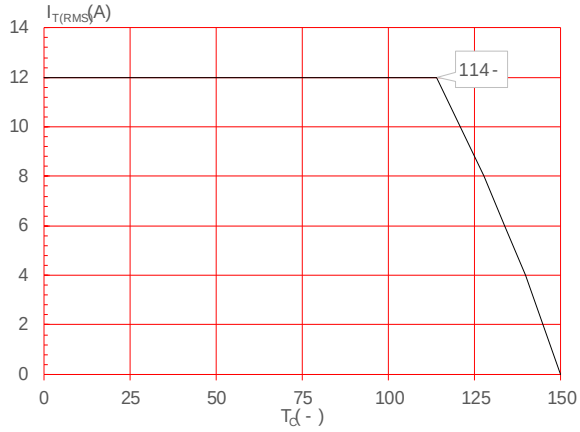


FIG.3: Surge Peak On-State Current vs Number of Cycles

FIG.4: On-State Characteristics

T1235H-

PACKAGE MECHANICAL DATA

