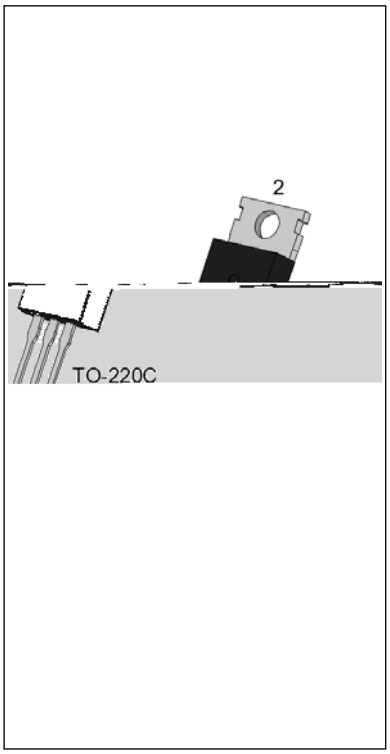
T1220H-8C 12A TRIAC

Rev.A.1.1

DESCRIPTION:

The T1220H-8C is suitable for AC
switching application.
By using an internal ceramic pad
it provides voltage insulated tab
(rated at 2500V RMS) complying with
UL standards (File ref: E81734).
The T1220H-8C is ideal for
applications requiring high
junction operation up to 150°C.
Through its TO-220C insulated
package, it is intended for use in



MAIN FEATURES

Symbol	Value	Unit
$I_{T(RMS)}$	12	A
V_{DRM} /V_{RRM}	800	V
I_{GT} / /	20/20/20	mA

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction temperature range	T_{stg}	-40-150	
Operating junction temperature range	T_j	-40-150	
Repetitive peak off-state voltage (T $_j$=25)	V_{DRM}	800	V
Non repetitive peak off-state voltage (T $_j$=25)	V_{RRM}	800	V
RMS on-state current (T $_C$ 131)	$I_{T(RMS)}$	12	A
Non repetitive surge peak on-state current (full cycle, t $_p$=20ms, T $_j$=25)	I_{TSM}	120	A
Non repetitive surge peak on-state current (full cycle, t $_p$=16.6ms, T $_j$=25)		132	
I^2t value for fusing (t $_p$=10ms, T $_j$=25)	I^2t	72	A^2s
Critical rate of rise of on-state current (I_G=2 × I_{GT} , f=100Hz, T $_j$=150)	dI/dt	100	A/µs
Peak gate current (t $_p$=20µs, T $_j$=150)	I_{GM}	4	A
Average gate power dissipation (T $_j$=150)	$P_{G(AV)}$	1	W
Peak gate power	P_{GM}	10	W

JieJie Mi-4(8C)T-Jn0.004 T -0.004 Tw 99

FIG.1:

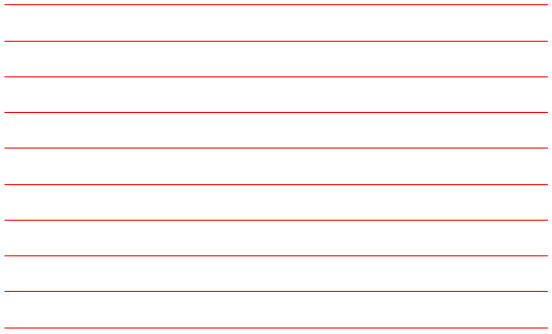


FIG.2:

PACKAGE MECHANICAL DATA

