



DESCRIPTION:

The JST26Z-800B 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. By using an internal ceramic pad, JST26Z-800B provides a rated insulation voltage of 2500 VRMS, complying with UL standards (File ref: E252906). Package TO-3P is RoHS compliant

MAIN FEATURES

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

Peak pulse voltage ($T_j=25$; non-repetitive, of state; FIG.7)	V_{pp}	2	kV
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ELECTRICAL CHARACTERISTICS (unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	$V_D=12V R_L=33$	- -	MAX.	50	mA
				70	
V_{GT}		ALL	MAX.	1	V
V_{GD}	$V_D=V_{DRM} T_j=125$ $R_L=3.3k$	ALL	MIN.	0.2	V
I_L	$I_G=1.2I_{GT}$	- -	MAX.	80	mA
				120	
I_H	$I_T=500mA$		MAX.	80	mA
dV/dt	$V_D=540V$ Gate Open $T_j=125$		MIN.	1000	V/s
$(dV/dt)_c$	$(dI/dt)_c \approx 3.3A/ms, T_j=125$		MIN.	12	9 V
t_{on}	$I_G=80mA I_A=400mA I_R=40mA$ $T_j=25$		TYP.	3	s
t_{off}				50	

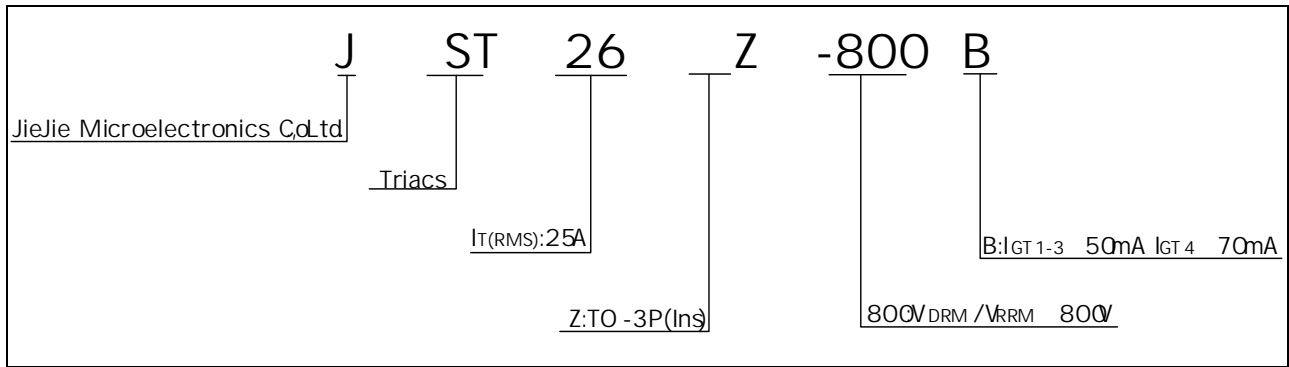
STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
V_{TM}	$I_{TM}=35A \phi=380s$	$T_j=25$	1.5	V
V_{TO}	Threshold voltage	$T_j=125$	0.75	V
R_D	Dynamic resistance	$T_j=125$	18	P
I_{DRM}	$V_D=V_{DRM} V_R=V_{RRM}$	$T_j=25$	5	A
I_{RRM}		$T_j=125$	2	mA

THERMAL RESISTANCES

Symbol	Parameter	Value	Unit
$R_{th(jc)}$	junction to case (AC)	1.1	/W

ORDERING INFORMATION



MARKING

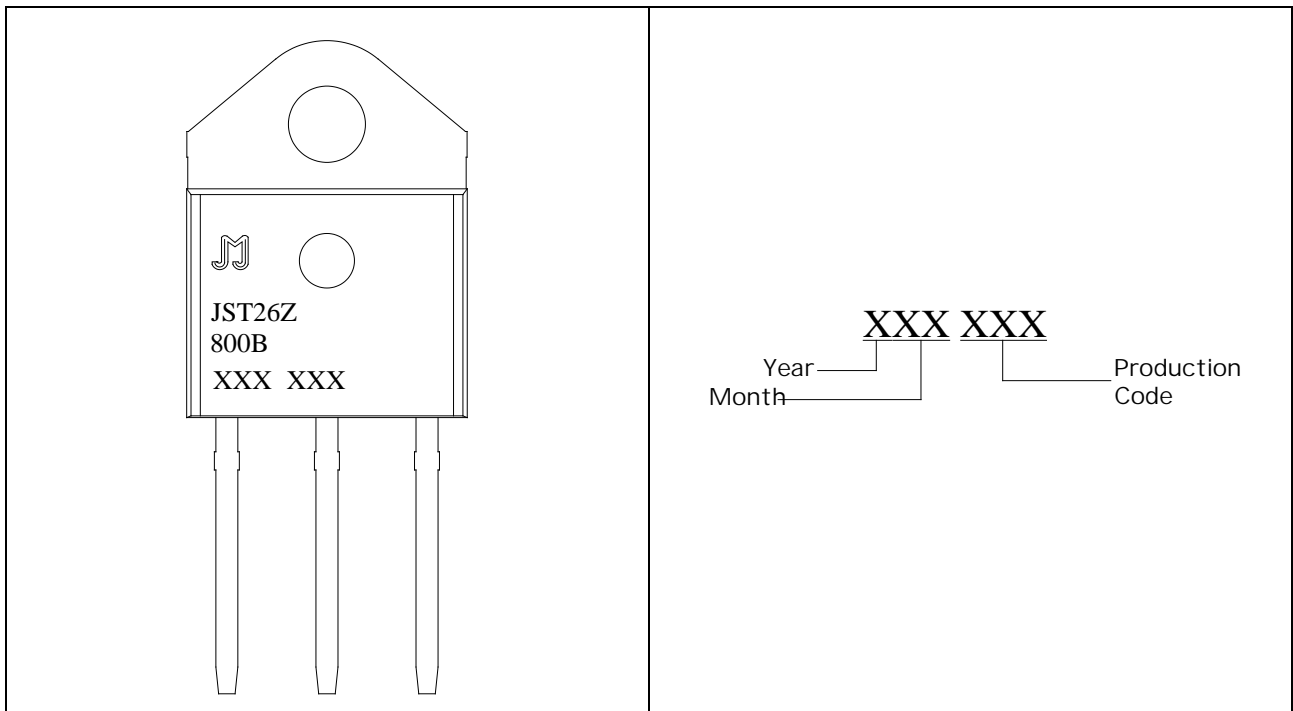


FIG.1: Maximum power dissipation versus RMS on-state current

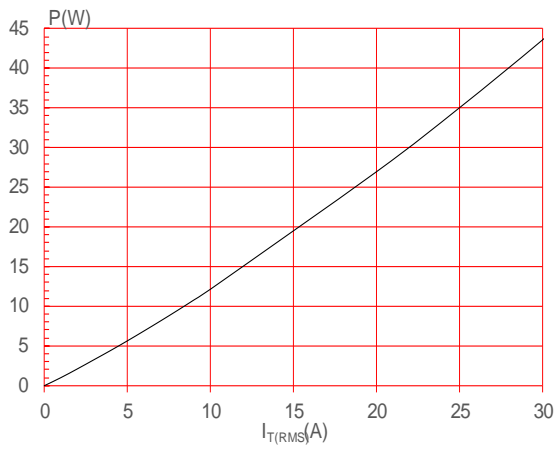


FIG.3: Surge peak onstate current versus number of cycles

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

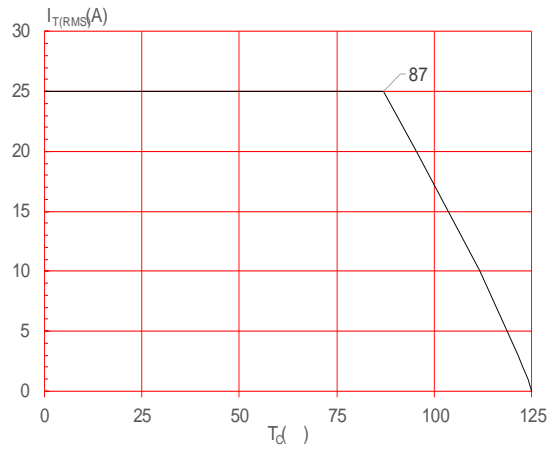


FIG.4: On-state characteristics

ORDERING INFORMATION

Order 5.0.011 To

PACKAGE MECHANICAL DATA



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