



JST80CS-1200BW 80A TRIAC

Rev.A.1.1

DESCRIPTION:

The JST80CS-1200BW 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. JST80CS-1200BW snubberless triac is especially recommended for use on inductive loads. Package TO-247S is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
-----------	--------	-------	------

Peak pulse voltage (T _j =25 ; non-repetitive, off-state; FIG.7)	V _{pp}	1	kV
---	-----------------	---	----

ORDERING INFORMATION

J	ST	80	CS	-1200	BW
JieJie Microelectronics Co., Ltd.	Triacs	$I_T(RMS):80A$			
			CS:TO-247S		
					BW:IGT1-3 50mA
				1200: V_{DRM}/V_{RRM} 1200V	

MARKING

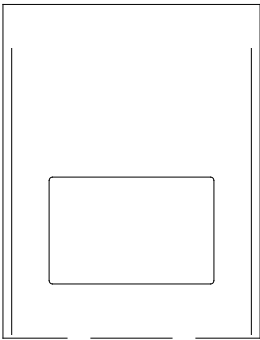


FIG.1: Maximum power dissipation versus RMS on-state current

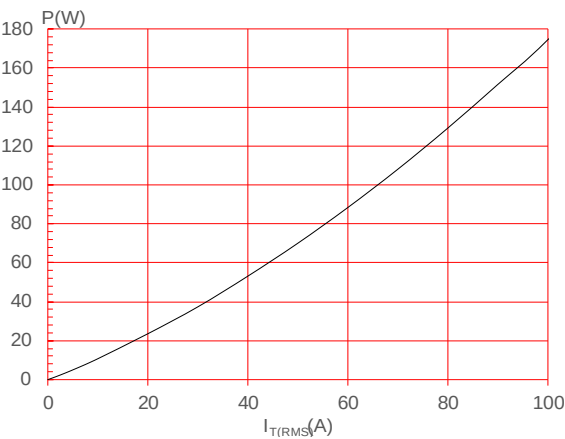


FIG.3: Surge peak on-state current versus number of cycles

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

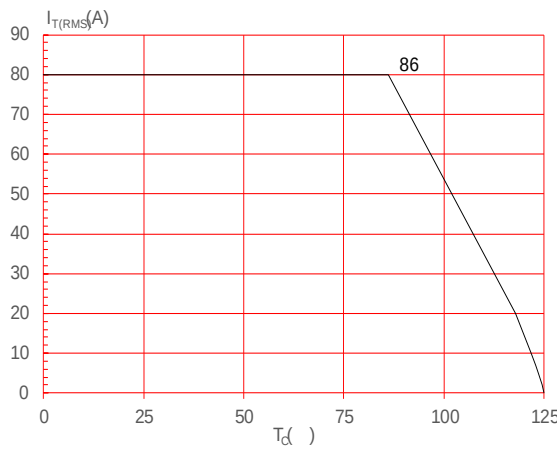


FIG.4: On-state characteristic

PACKAGE MECHANICAL DATA

