# 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

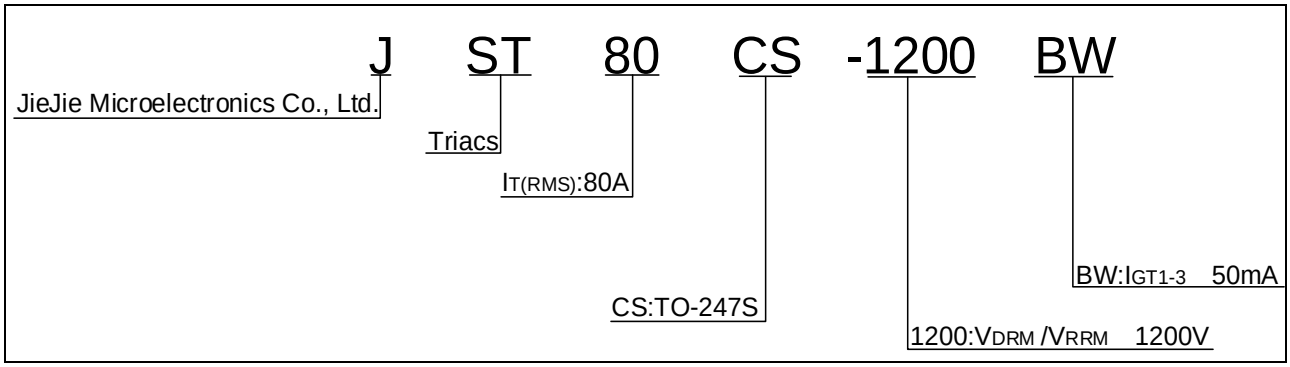
## ABSOLUTE MAXIMUM RATINGS

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

| | | | |
|---|---|---|---|
| Peak pulse voltage<br>(Ta=25 ... per positive pulse, refer to FIG.7) | $V_{pp}$ | 1 | kV |

2.64 764.4 Tm (pp)Tj 0 Tc 0 Tw 12 0 0 12 341.52 757.2.04 332.64 764.4 Tm (pp)1 Tf 0.002W71

## ORDERING INFORMATION




## MARKING

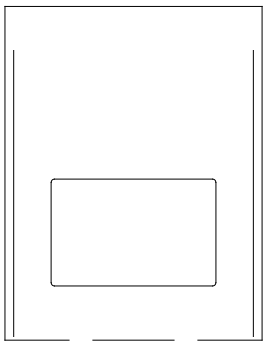


FIG.1: Maximum power dissipation versus RMS on-state current

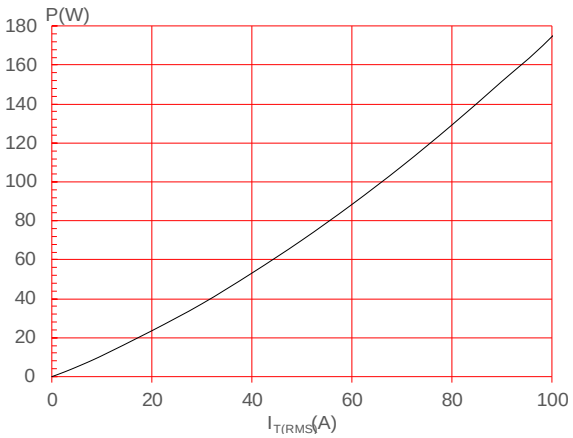



FIG.2: RMS on-state current versus case temperature

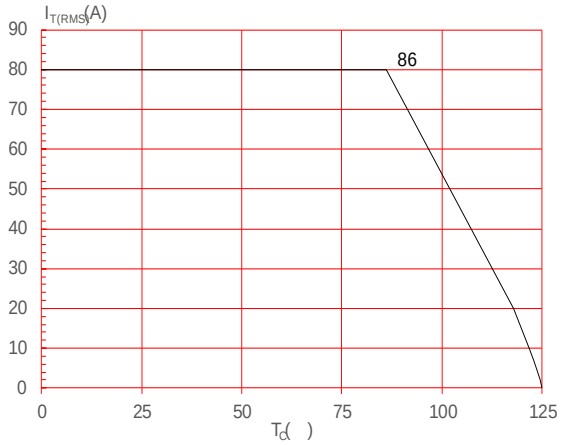



FIG.3: Surge peak on-state current versus number of cycles

FIG.4: On-state characteristic

## ORDERING INFORMATION

| Order code | Voltage $V_{DRM}/V_{RRM}$(V) | IGT(mA) | Package | Base qty. (pcs) | Delivery mode |
|---|---|---|---|---|---|
| | | - - | | | |
| JST80CS-1200BW | 1200 | 50 | TO-247S | 30 | Tube |