

Repetitive peak off-state voltage ($T_j=25$)	V_{DRM}	800	V
Repetitive peak reverse voltage ($T_j=25$)	V_{RRM}	800	V
RMS on-state current ($T_c=107$)	$I_{T(RMS)}$	6	A
Non repetitive surge peak on-state current		65	
($I_G=2 \times I_{GT}$, $f=100\text{Hz}$, $T_j=125$)	di/dt	100	A/ μs
Peak gate current ($t_p=20\mu\text{s}$, $T_j=125$)	I_{GM}	4	A
Average gate power dissipation ($T_j=125$)	$P_{G(AV)}$	0.5	W

ORDERING INFORMATION

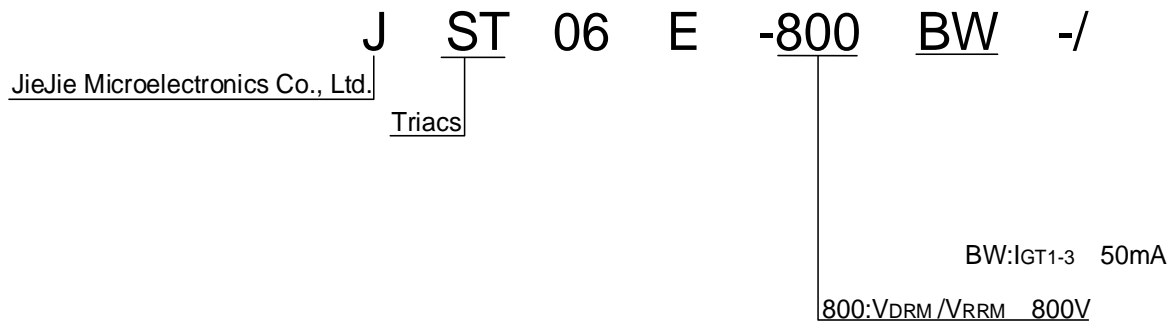
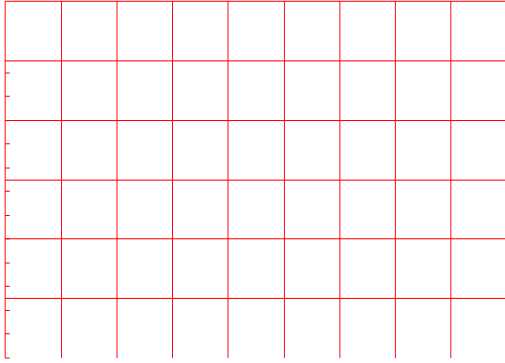


FIG.1: Maximum power dissipation versus RMS on-state current

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

FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature



JST06E-800BW

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ORDERING INFORMATION

Order code	Voltage V _{DRM} /V _{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		H- I- J			
JST06E-800BW	800	50	TO-263	50	Tube
JST06E-800BW-TR				800	Tape & Reel

Date	Revision	Changes
May 19, 2023	A 1.0	Last updated
Oct.17, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

PACKAGE MECHANICAL DATA

Dimensions

