

JST136Q-600E 4A TRIAC

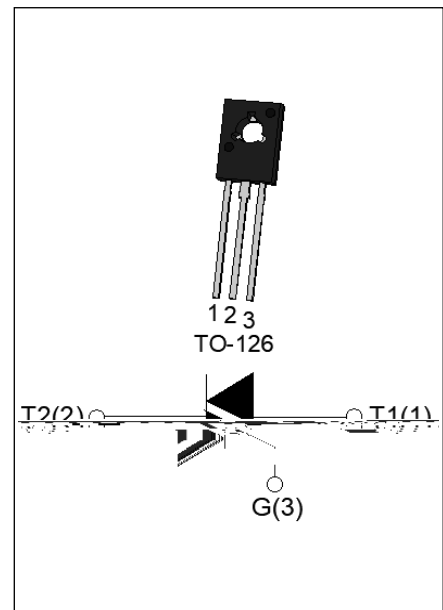
Rev.A.1.0

DESCRIPTION:

The JST136Q600E triac is suitable for general purpose 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. From T2 terminals to external heatsink. Package TO-126 is RoHS compliant.

MAIN FEATURES

Symbol	Value	Unit
$I_{T(RMS)}$	4	
V_{DRM} / V_{RRM}	600	V
$I_{GT} / I / I$	10/10/10/25	



ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage temperature	T_{stg}	-40-150	
Operating temperature	T	-40-125	
Repetitive peak off-state voltage ($T = 25^\circ C$)	V_{DRM}	600	V
Repetitive peak reverse voltage ($T = 25^\circ C$)	V_{RRM}	600	V
RMS on-state current ($T = 83^\circ C$)	$I_{T(RMS)}$	4	
Non repetitive surge peak on-state current (fly, $t_p = 20s, T = 25^\circ C$)	I_{TSM}	35	
Non repetitive surge peak on-state current (fly, $t_p = 16.6s, T = 25^\circ C$)		38.5	
Peak current for fusing ($t_p = 10s, T = 25^\circ C$)	I_{FT}	6.1	2s
Initial rate of rise of on-state current ($I_{GT} = 2mA, f = 100Hz, T = 125^\circ C$)	dI/dt	80	μs
		40	
Peak gate current ($t_p = 20\mu s, T = 125^\circ C$)	I_{GM}	2	
Average gate power dissipation ($T = 125^\circ C$)	$P_{G(V)}$	0.5	W
Peak gate power	P_{GM}	5	W
Peak pulse voltage ($T = 25^\circ C$; non repetitive, off-state; FIG.7)	V_{pp}	3.5	V

ation t
ation

ELECTRICAL CHARACTERISTICS (unless otherwise specified)

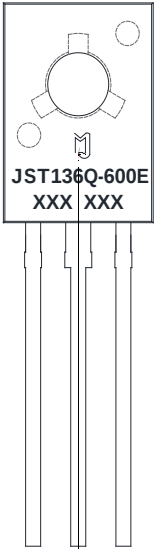
Symbol	Test Condition	Quadrant	Value	Unit
--------	----------------	----------	-------	------

I_T
 $V_D=12V\ R=33\Omega$

ORDERING INFORMATION

J	ST	136	Q	-600	E
JieJie Microelectronics Co., Ltd.	Trias				
		$I_{T(RMS)}:4$			
			Q: T0126		
					$E: \phi T1-3 \quad 10 \quad I \quad GT4 \quad 25$
				$600: V_{RM} / V_{RM} \quad 600V$	

MARKING



JST136Q-600E

JieJie MB (CM)]TJ -0.004 Tc 0.004 Tw 0.8

ORDERING INFORMATION

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (V)	IGT(mA)		Package	Base qty. (pcs)	Delivery mode
		- -				
JST136Q-600E	600	10	25	TO-126	500	Bulk Pack

Document Revision History

Date	Revision	Changes
Apr 14, 2023	1.0	First released

Information furnished in this document is believed to be accurate and reliable. However, Jiangsu JieJie Microelectronics Co., Ltd. assumes no responsibility for the consequences of use without consideration for such information nor for any delay in its information mentioned in this document is subject to change without notice.

signed, Jiangsu JieJie complies with the agreement.

Products and information provided in this document have no infringement of patents.

Jiangsu JieJie assumes no responsibility for any infringement of other rights of third parties which may result from the use of such products and information. This document supersedes and replaces all information previously supplied.

 is a registered trademark of Jiangsu JieJie Microelectronics Co., Ltd.

Copyright © 2023 Jiangsu JieJie Microelectronics Co., Ltd. All rights reserved.