

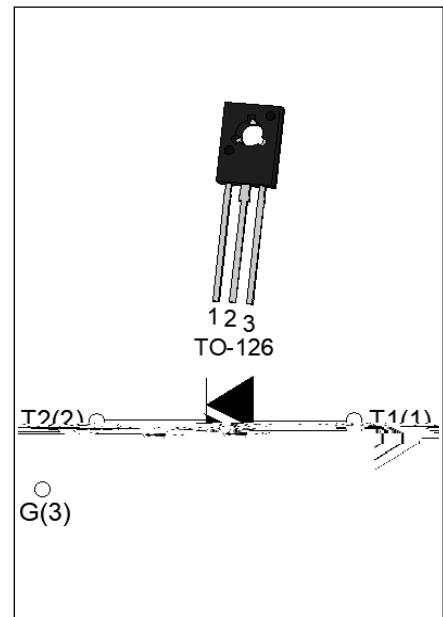


JST134Q-600T 4A TRIAC

Rev.A.1.0

DESCRIPTION:

The JST134Q-600T triac is suitable for AC switching. It can be used in ON/OFF function in lighting, heating, electric power control, etc. It is a TO-18 package.



MAIN FEATURES

Symbol	Value	Unit
$I_{T(RMS)}$	4	A
V_{DRM} / V_{RRM}	600	V
I_{GT} / I_{GM}	5/5/5	mA

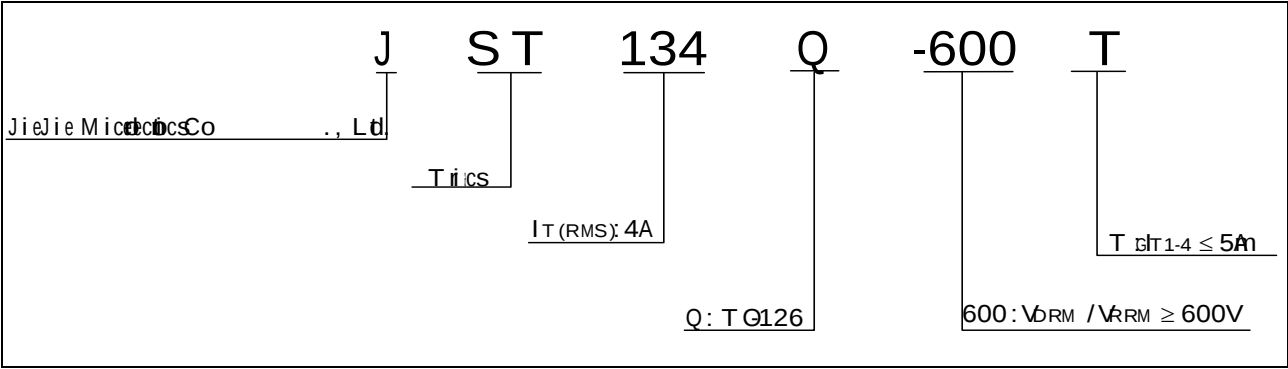
ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage temperature	T_s	-40-150	°C
Operating temperature	T_j	-40-125	°C
Repetitive peak voltage (T _j = 25 °C)	V_{DRM}	600	V
Repetitive peak voltage (T _j = 25 °C)	V_{RRM}	600	V
RMS on-state current (T _j ≤ 81 °C)	$I_{T(RMS)}$	4	A
Non-repetitive peak current (pulse, t _p = 20ms, T _j = 25 °C)	I_{TSM}	25	A
Non-repetitive peak current (pulse, t _p = 16.6ms, T _j = 25 °C)		27.5	
Surge current (t _p = 10ms, T _j = 25 °C)	I^2t	3.125	A ² s
Critical rate of rise (I _G = 2×I _{GT} , f = 100Hz, T _j = 125 °C)	di/dt	30	A/s
		20	
Peak gate current (t _p = 20ms, T _j = 125 °C)	I_{GM}	2	A
Average gate power dissipation (T _j = 125 °C)	$P_{G(AV)}$	0.5	W
Peak gate power	P_{GM}	5	W
Peak voltage (T _j = 25 °C; non-repetitive; see FIG. 7)	V_p	2.5	V

ELECTRICAL CHARACTERISTICS (Unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	$V_D=12V$ $R_L=33k$	ALL	MAX .	5	μA
V_{GT}		ALL	MAX .	1	V
V_{GD}	$V_D=V_{DRM}$ $T_j=125^{\circ}C$ $R_L=3.3k$	ALL	MIN .	0.2	V
I_L	$I_G=1.2I_{GT}$	- -	MAX .	9	μA
				13	
I_H	0.00A		MAX .	5	μA

ORDERING INFORMATION



MARKING



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FIG.1: Mixd is poe
o s ch

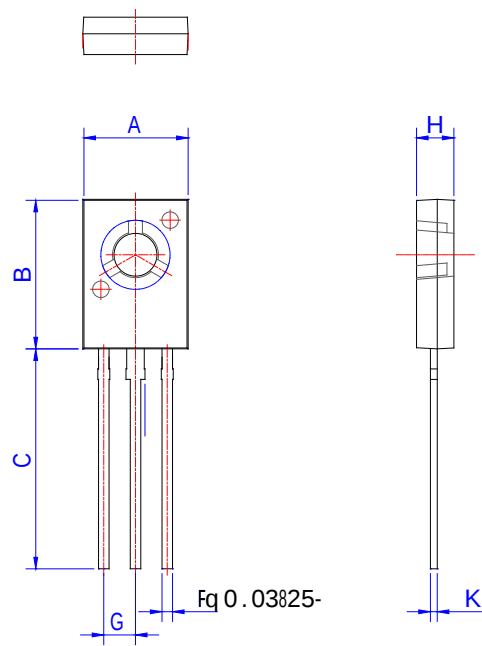
FIG.2: RMS o -s ch
epa

ORDERING INFORMATION

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		H- I- J- K			
JST134Q-600T	600	5	TO-126	500	Bulk Pack

Document Revision History

PACKAGE MECHANICAL DATA



Ref.	Dimensions					
	Millimeters			Inches		
	Min	Typ	Max	Min	Typ	Max
A	7.40		7.80	0.291		0.307
B	10.6		11.2	0.417		0.441
C	15.3		16.3	0.602		0.642
D	3.90		4.10	0.154		0.161
E	1.17		1.47	0.046		0.058
F	0.66		0.86	0.026		0.034
G	2.15			0.085		
H	2.50		2.90	0.098		0.114
J	1.10		1.50	0.043		0.059
K	0.45		0.60	0.018		0.024

