JST139A-800F 16A TRIAC

Rev.A.1.1

Description

The JST139A-800F is a 16A TRIAC in a TO-220F package.

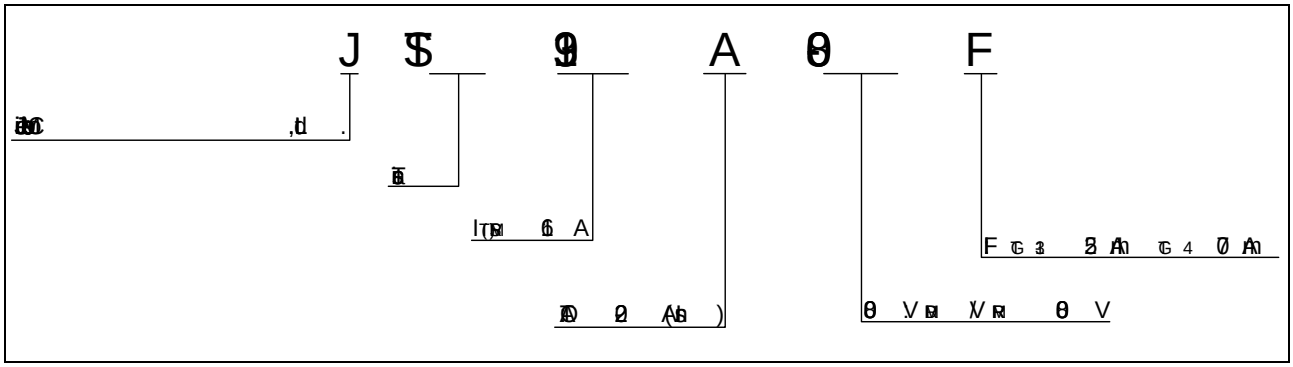
Absolute Maximum Ratings

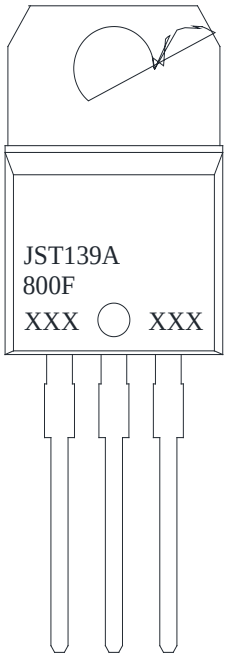
Parameter	Symbol	Value	Unit
Storage temperature range	T_{stg}	-40 to 150	°C
Operating junction temperature range	T_j	-40 to 125	°C
Repetitive peak off-state voltage (Tj = 125°C)	V_{DRM}	800	V
Repetitive peak reverse voltage (Tj = 125°C)	V_{RRM}	800	V
RMS on-state current (full sine wave, TC = 72°C)	$I_{T(RMS)}$	16	A
Non repetitive surge peak on-state current (full cycle, Tj initial = 25°C)	I_{TSM}	140	A
		154	
I^2t value for fusing (tp = 10ms, Tj initial = 25°C)	I^2t	98	A^2s
Critical rate of rise of on-state current (I_G = 2 × I_{GT}, tr ≤ 100ns, Tj = 125°C)	dI/dt	50	A/µs

(Tj= ;o -p -G	Vp	1	kV

(Tj= p

Symbol	Test Condition	Quadrant	Value		Unit
IG	VD R L q	- -	X .	2	A
				0	
VG		A	X .	1	V
VD	VD V M Tj= RL k q	A	M .	0	V
IL	IG=2 IG	- -	X .	6	A
				0	
IH	IT=0 A		X .	0	A
dV	VD=V e D nT j=2		M .	0	V/εs
(dV	(A T j= 0		M	0	V/εs
tD	IG= 0 A IA= 0 A IR= 0 A Tj=		TYP	0	εs




JST139A
800F
XXX
XXX

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)		Package	Base qty. (pcs)	Delivery mode
		- -				
JST139A-800F	800	25	70	TO-220A(Ins)	50	Tube

Document Revision History

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A 1 ,0	A 10	d
2	A 11	Ri