



JST139A-800F 16A TRIAC

Rev.A.1.1

DESCRIPTION:

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(16A 16A)

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage temperature	T_s	-40-150	
Junction temperature	T_j	-40-125	
Peak forward current (at $T_j=25^\circ\text{C}$)	I_{FM}	800	V
Peak reverse current (at $T_j=25^\circ\text{C}$)	I_{RM}	800	V
Peak non-repetitive surge current (at $T_j=25^\circ\text{C}$)	I_{TR}	(16)	A
Peak average current (at $T_j=25^\circ\text{C}$)	I_{AV}	140	A
Peak average current (at $T_j=25^\circ\text{C}$)		154	
Peak average current (at $T_j=25^\circ\text{C}$)	I^2t	98	A^2s

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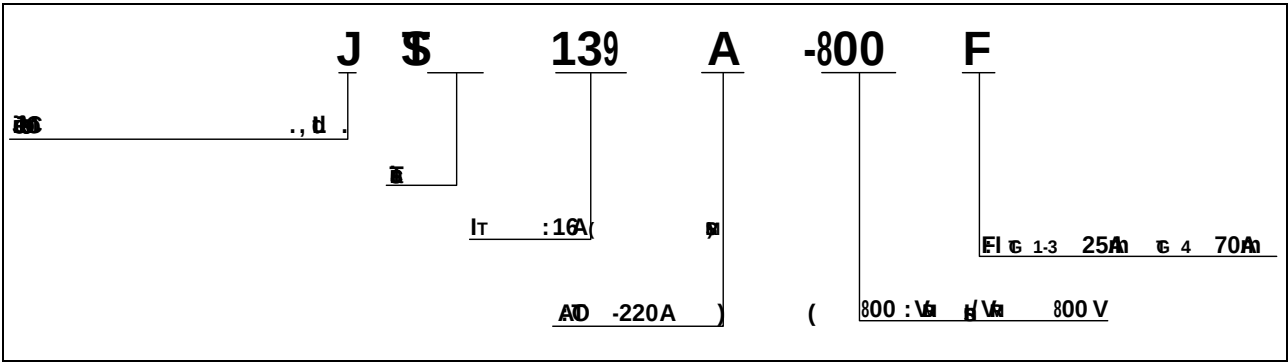
 $G=2\text{A}$, $f=100\text{Hz}$, $T_j=125^\circ\text{C}$

 $I_{j=25} ; 0 - 100 (100)$	V_p	1	V
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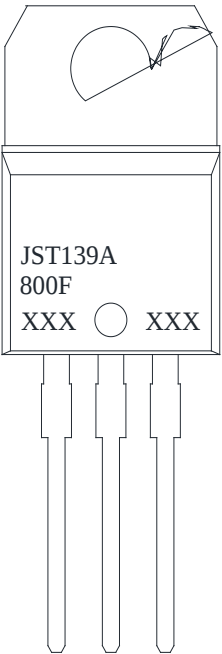
ELECTRICAL CHARACTERISTICS ($T_j=25^{\circ}C$)

Symbol	Test Condition	Quadrant	Value		Unit
I_G	$V_D=12V \quad I_L=33mA$	- -	mA	25	mA
				70	
V_G		A	mA	1	V
V_D	$V_D=V_{DS} \quad T_j=125^{\circ}C$ $R_L=3.3k\Omega$	A	mA	0.2	V
I_L	$I_G=1.2mA$	- -	mA	50	mA
				100	
I_H	$I_T=500mA$		mA	40	mA
t_{rd}	$V_D=540V @ \quad T_j=125^{\circ}C$		mA	200	V/>s
	($A_{ST} = 10 \quad V_{GS} = 7.2V$)		mA	10	V/>s
t_b	$I_G=80mA \quad I_A=400mA \quad I_R=40mA$ $T_j=25^{\circ}C$		TF	10	>s

ORDERING INFORMATION



MARKING



ORDERING INFORMATION

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

Rev	Rev	Rev
A .14 2023	A 1.0	Rev
014, 2025	A 1.1	Rev

1. 本公司生产的 JST139A-800F 产品，
2. 其性能指标符合相关标准，
3. 且具有良好的稳定性和可靠性，
4. 能够满足客户的需求。
5. 本公司承诺，
6. 将为客户提供优质的产品和服务。
7. 如有任何疑问，
8. 请随时与我们联系。
9. 感谢您的支持！
10. 2025 年 1 月 1 日