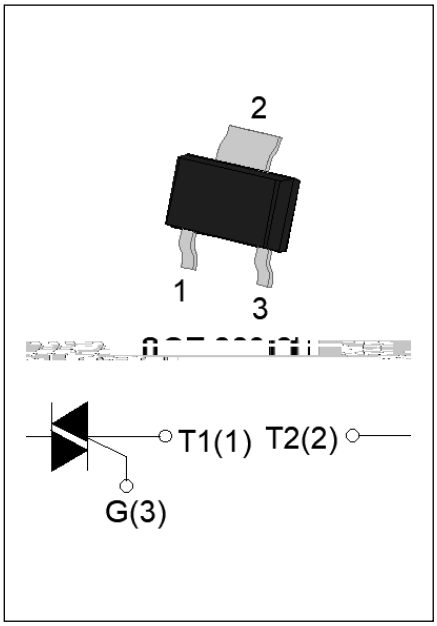
JSM131W-800D 1A TRIAC

DESCRIPTION:

The JSM131W-800D triac is suitable for general purpose AC 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. Package SOT-223-2L is RoHS compliant.



MAIN FEATURES

Symbol	Value	Unit
$I_{T(RMS)}$	1	A
V_{DRM}/V_{RRM}	800	V
I_{GT} / / /	5/5/5/10	mA

ABSOLUTE MAXIMUM RATINGS

[redacted]T1n)10-5F[redacted]

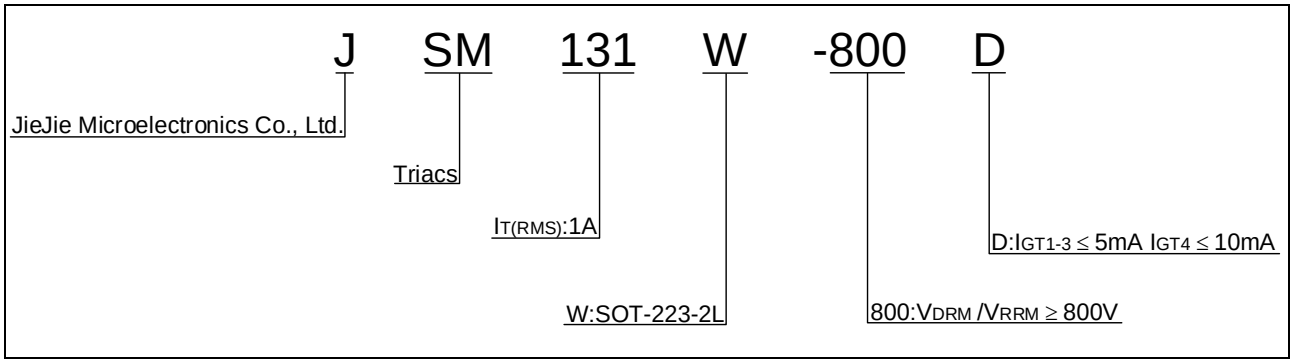
JSM131W-800D

ELECTRICAL CHARACTERISTICS (T_j=2

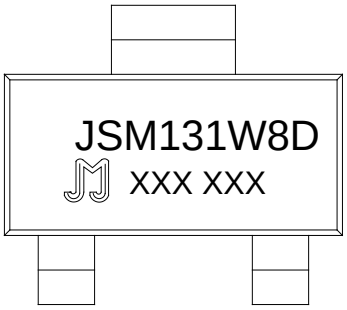
Symbol	Test Condition	Q
I_{GT}	V_D=12V R_L=33	
V_{GT}		
V_{GD}	V_D=V_{DRM} T_j=125 R_L=3.3k	
I_L	I_G=1.2I_{GT}	
I_H	I_T=50mA	
dV/dt	V_D=540V Gate Open T_j=1	

	5	5	A	
I_{RRM}	T_j=125	0.250.25 X,‘#@@	!–%‘	pTH

ORDERING INFORMATION



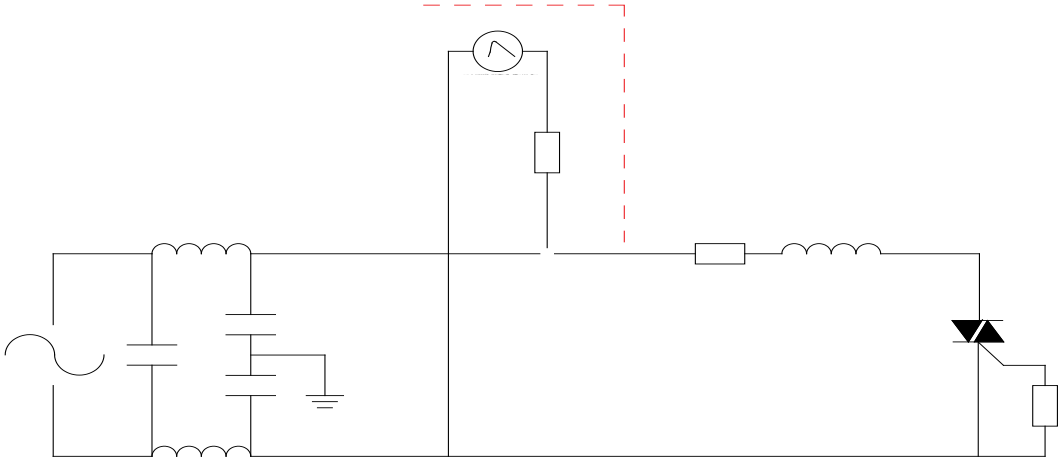
MARKING



MS on-state current versus case
ture

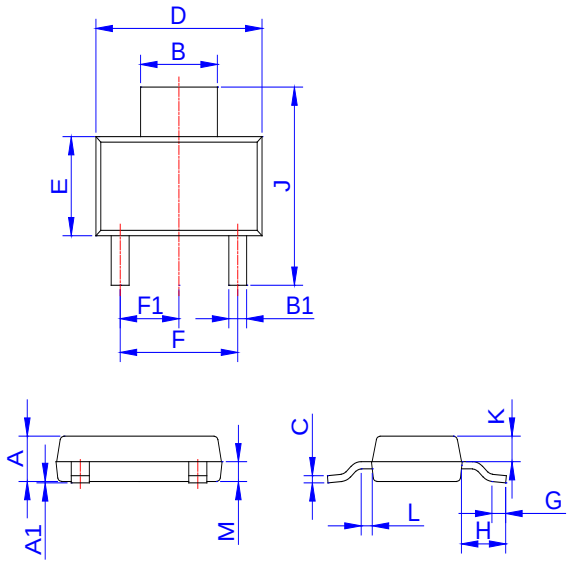
JSM131W-800D

FIG.8 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



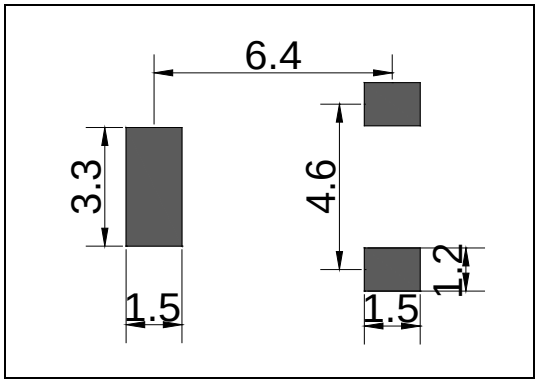
JSM131W-800D

PACKAGE MECHANICAL DATA



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	1.50	1.60	1.80	0.059	0.063	0.071
A1	0.01	0.06	0.10	0.001	0.002	0.004
B	2.90	3.00	3.10	0.114	0.118	0.122
B1	0.60	0.70	0.80	0.024	0.028	0.031
C	0.22	0.254	0.32	0.009	0.010	0.013
D	6.30	6.50	6.70	0.248	0.256	0.264
E	3.30	3.50	3.70	0.130	0.138	0.146
F	4.40		4.80	0.173		0.189
F1	2.20		2.40	0.087		0.094
G	0.50		1.00	0.020		0.039
H	1.50	1.75	2.00	0.059	0.069	0.079
J	6.70	7.00	7.30	0.264	0.276	0.287
K	0.80		1.00	0.031		0.039
L	0.40		0.80	0.016		0.031
M	0.75		0.95	0.030		0.037

FOOTPRINT-SOT-223-2L (dimensions in mm)



DELIVERY MODE

	Dimensions
Ref.	Millimeters

JieJie M