



JST139D-800E 16A TRIAC

Rev.A.1.0

DESCRIPTION:

The JST139D-800E 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. From T2 terminals to external heatsink. Package TO-262 is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value
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ELECTRICAL CHARACTERISTICS (unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	$V_D=12V$ $R_L=33$	- -	MAX.	10	mA
				25	
V_{GT}		ALL	MAX.	1	V
V_{GD}	$V_D=V_{DRM}$ $T_J=125$ $R_L=3.3k$	ALL	MIN.	0.2	V
I_L	$I_G=1.2I_{GT}$	- -	MAX.	25	mA
				35	
I_H	$I_T=500mA$		MAX.	25	mA
dV/dt	$V_D=540V$ Gate Open $T_J=125$		MIN.	100	V / mA

ORDERING INFORMATION

J	ST	139	D	-800	E
JieJie Microelectronics Co., Ltd.	Triacs	$I_{T(RMS)}:16A$	D:TO-262	800: V_{DRM}/V_{RRM} 800V	E: I_{GT1-3} 10mA I_{GT4} 25mA

MARKING

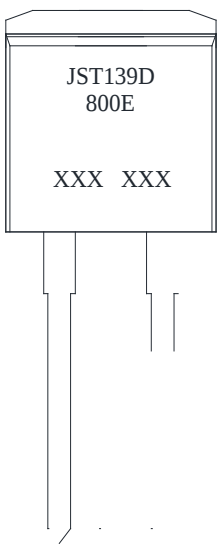
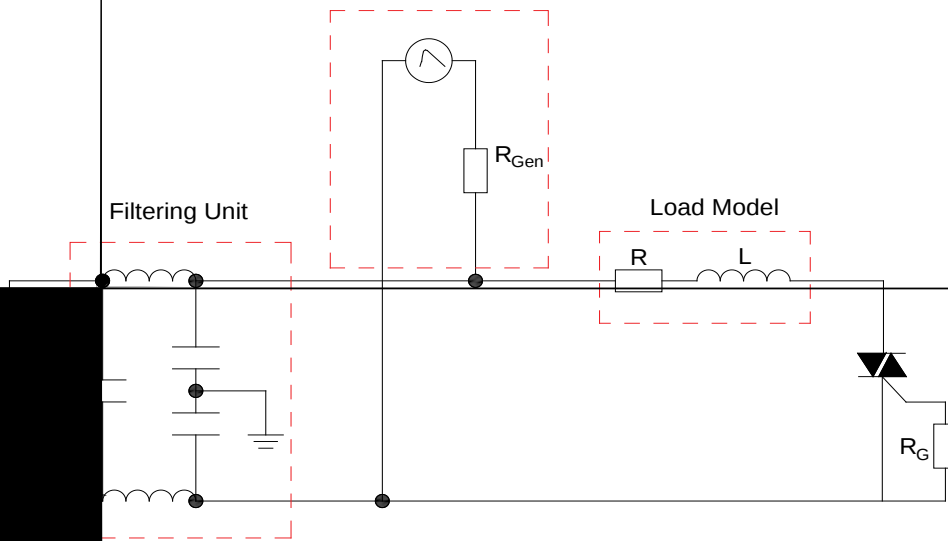


FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards

IEC61000-4-5 Standards
Surge Generator

ORDERING INFORMATION

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$
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