

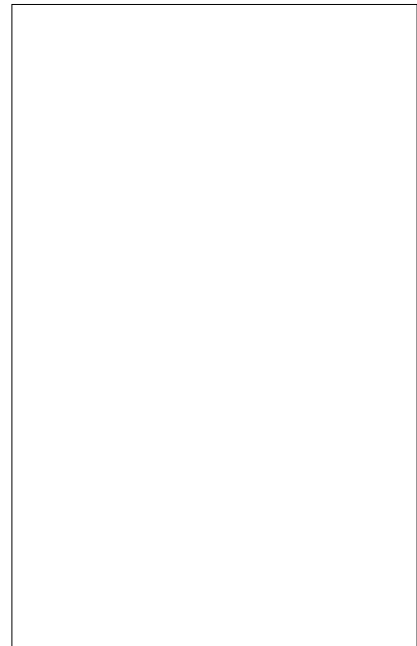


JCT1612E 8A SCR

Rev.A.1.1

DESCRIPTION:

With high ability to withstand the shock loading of large current, JCT1612E provides high dV/dt rate with strong resistance to electromagnetic interference. It is especially recommended for use on hair straightener motorcycle voltage regulator etc. Package TO-263 is RoHS compliant.



MAIN FEATURES

Symbol	Value	Unit
$I_{T(RMS)}$	12	A
V_{DRM}/V_{RRM}	1600	V
I_{GT}	"15	mA

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
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Storage junction temperature range

T_{stg}

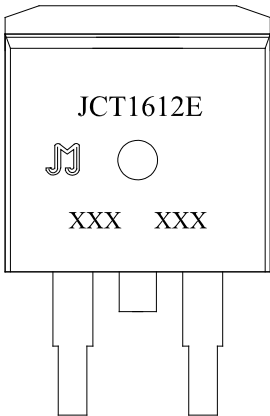
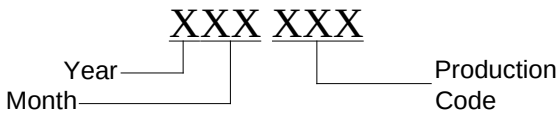
-40-150

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ORDERING INFORMATION

<u>J</u>	<u>CT</u>	<u>16</u>	<u>12</u>	<u>E</u>	<u>-/</u>
JieJie Microelectronics Co., Ltd.	SCRs			E:TO-263	Blank:Tube -TR:Tape & Reel
16:V _{DRM} /V _{RRM} ≥ 1600V		I _{T(RMS)} :12A			

MARKING

	
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JCT1612E

FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature

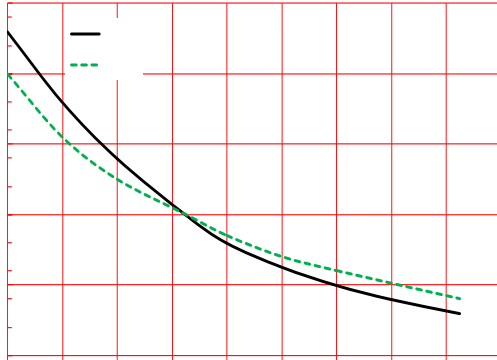
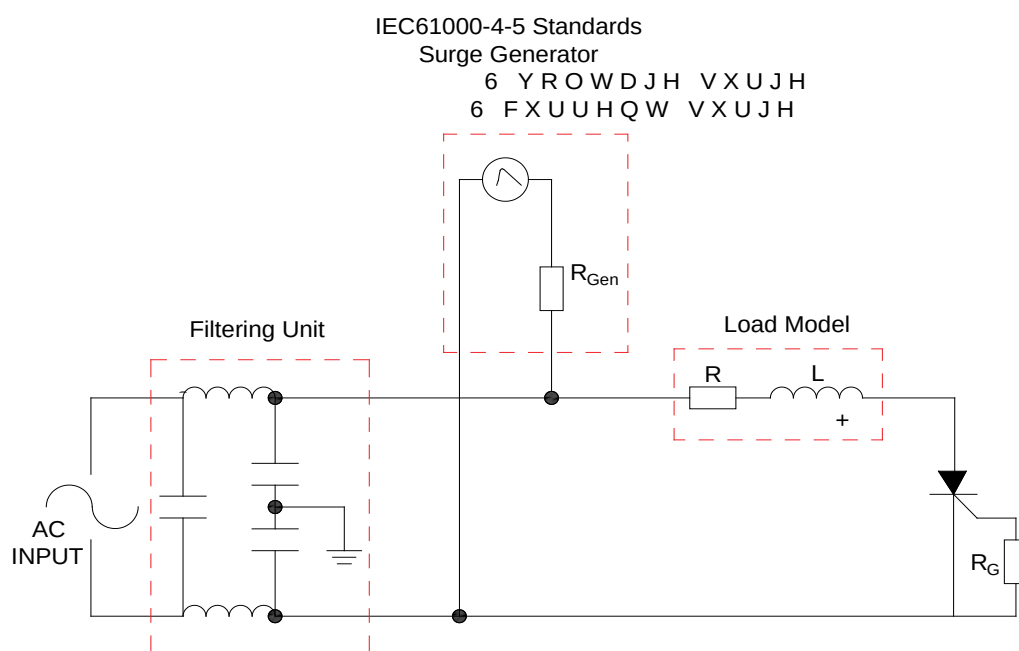


FIG.8 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards.



JCT1

DELIVERY MODE

