



## JX008L 0.8A Sensitive SCR

Rev.A.1.0

### DESCRIPTION:

The JX008L SCR provides high  $dV/dt$  rate with strong resistance to electromagnetic interface. It is especially recommended for use on residual current circuit breaker, straight hair, igniter etc. Package SOT-23-3L is RoHS compliant.

### MAIN FEATURES

Symbol	Value	Unit
$I_{T(RMS)}$	0.8	A
$V_{DRM} / V_{RRM}$	800	V
$I_{GT}$	200	A

### ABSOLUTE MAXIMUM RATINGS

**Parameter**

**Symbol**

**Value**

**Unit**

Peak gate power	$P_{GM}$	2	W
Peak pulse voltage ( $T_j=25$ ; non-repetitive,off-state;FIG.8)	$V_{pp}$	1	kV

**NOTE 1:** Operating junction temperature  $T_j$  is up to 125 when a resistor 1k is connected between Gate and Cathode. Without this resistor, the  $T_j$  is up to 110 only.

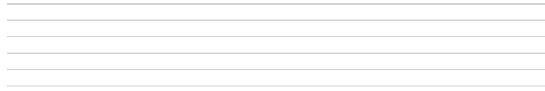
**ELECTRICAL CHARACTERISTICS** ( $T_j=25$  unless otherwise specified)

Symbol	Test Condition	Value			Unit
		MIN.	TYP.	MAX.	
$I_{GT}$	$V_D=12V R_L=33$	-	50		

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**FIG.1:** Maximum power dissipation versus RMS on-state current



**FIG.2:** RMS on-state current versus case temperature

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

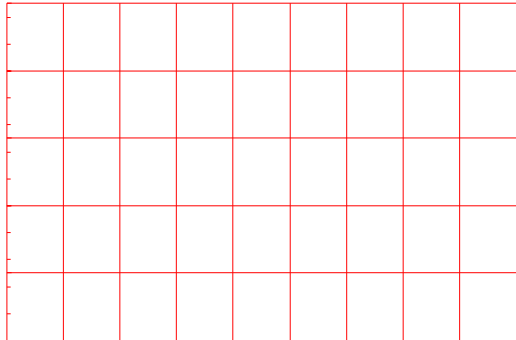


FIG.8 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards.



**ORDERING INFORMATION**

<b>Order code</b>	<b>Voltage <math>V_{DRM}/V_{RRM}</math> (V)</b>	<b>IGT(<math>\mu</math>A)</b>	<b>Package</b>	<b>Base qty. (pcs)</b>	<b>Delivery mode</b>
JX008L	800	200	SOT-23-3L	3,000	Tape & Reel

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