

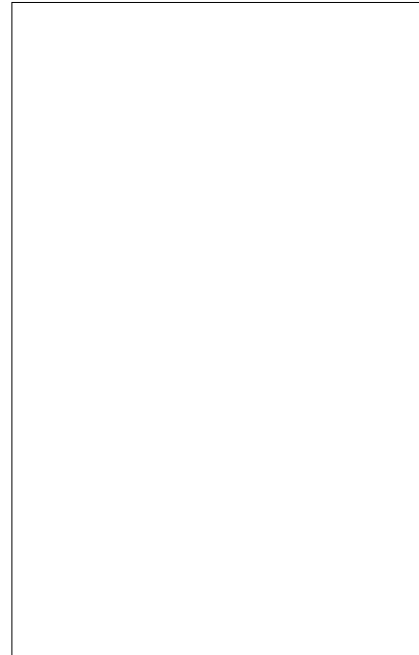


**JHX015W 1.5A SCR**

Rev.A.1.1

**DESCRIPTION:**

With high ability to withstand the shock loading of large current, JHX015W SCR provides high  $dV/dt$  rate with strong resistance to electromagnetic interference. It is especially recommended for use on solid state relay, motorcycle, power charger, T-tools etc. Package SOT-223-2L is RoHS compliant.



**MAIN FA**

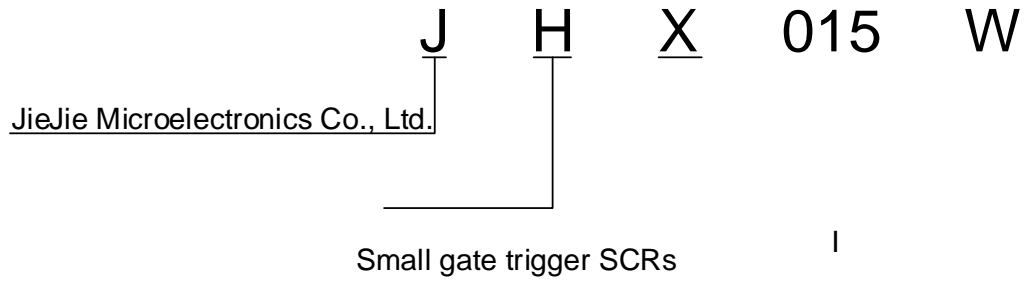
Peak gate power	$P_{GM}$	2	W
Peak pulse voltage ( $T_j=25$ ; non-repetitive,off-state;FIG.8)	$V_{pp}$	1.5	kV

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

Symbol	Test Condition	Value			Unit
		MIN.	TYP.	MAX.	
$I_{GT}$	$V_G=12V, R_G=33\Omega$	-	-	3	mA

$V_{GT}$  104 0 0 822 1 Tf 0.99 0 Td5>BDC 0(.30 0 8.04 97.680 >>BDC -(GT)Tj 0 Tc 0 Tw 1.37331 22.68 r01 MC /P <<V 0 Td(P.)JTJ

**ORDERING INFORMATION**



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

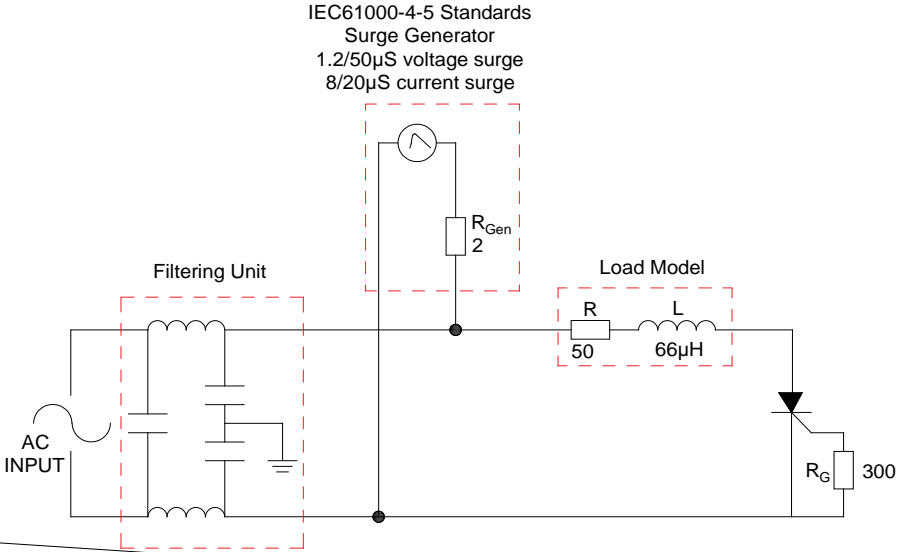


**FIG.2:** RMS on-state temperature

**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.

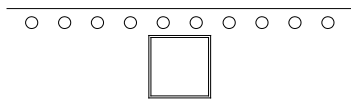


**ORDERING INFORMATION**

<b>Order code</b>	<b>Voltage <math>V_{DRM}/V_{RRM}</math> (V)</b>	<b>IGT(mA)</b>	<b>Package</b>	<b>Base qty. (pcs)</b>	<b>Delivery mode</b>
JHX015W	1600	3	SOT-223-2L	4,000	Tape & Reel

**JHX015W**

DELIVERY MODE



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
W	-		12.30	-		0.482
E	1.65	1.75	1.85	0.065	0.069	0.073
F	5.45	5.50	5.55	0.215	0.217	0.219
D0		1.55	1.60		0.061	0.063
D1		-	-			
P0	3.90	4.00	4.10	0.154	0.157	0.161
P1	7.90	8.00	8.10	0.311	0.315	0.319
P2	1.95	2.00	2.05	0.077	0.079	0.081
10P0	39.80	40.00	40.20	1.567	1.575	1.583
A0	6.85	6.95	7.05	0.269	0.273	0.276
B0	7.15	7.25	7.35	0.280	0.284	0.288
K0	1.95	2.05	2.15	0.076	0.080	0.084
T	0.20	0.25	0.30	0.008	0.010	0.012

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