



JX012V 1.25A Sensitive SCR

Rev.A.1.1

DESCRIPTION:

The JX012V 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-223 is RoHS compliant.

MAIN FEATURES

Symbol	Value	Unit
$I_{T(RMS)}$	1.25	A
V_{DRM} / V_{RRM}	1200	V

Peak gate power	P _{GM}	2	W
Peak pulse voltage (T _j =25 ; non-repetitive,off-state;FIG.8)	V _{pp}	1	kV

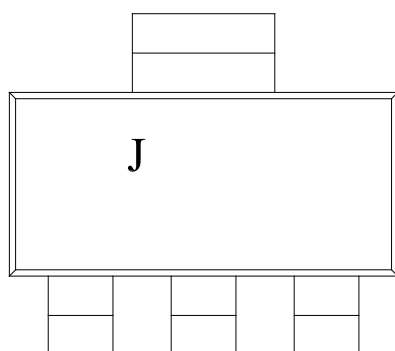
ELECTRICAL CHARACTERISTICS (T_j unless otherwise specified)

Symbol	Test Condition	Value			Unit
		MIN.	TYP.	MAX.	
I _{GT}	V _D =12V R _L =33	-	50	200	A
V _{GT}		-	0.6	0.8	V

ORDERING INFORMATION

<u>J</u>	<u>X</u>	<u>012</u>	<u>V</u>
JieJie Microelectronics Co., Ltd.	Sensitive gate SCRs	Part number	V:SOT-223

MARKING



JX012V

 Jie Jie Microelectronics Co., Ltd.

FIG56 .3602 0.007

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

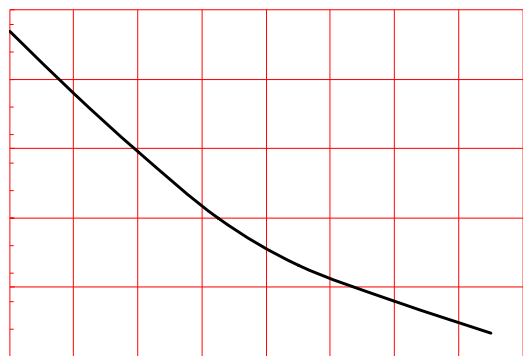
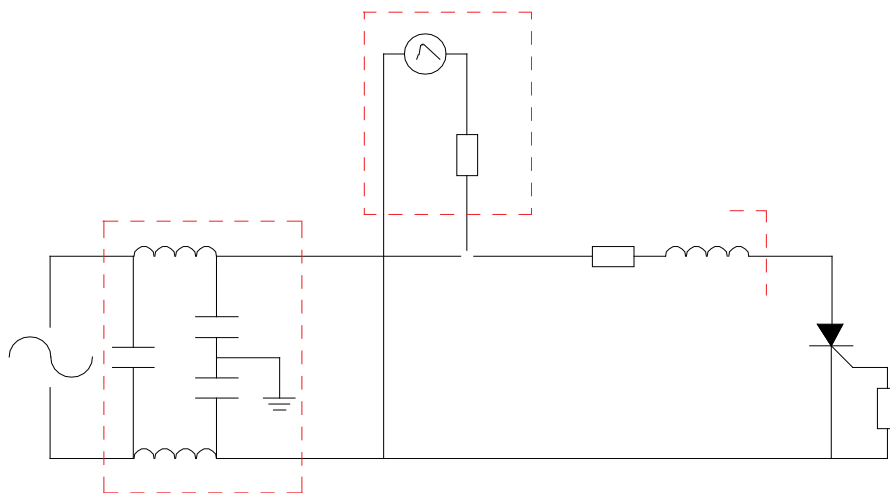


FIG.8 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards.

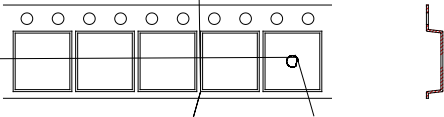


PACKAGE MECHANICAL DATA

Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	1.50		1.80	0.059	0.6 (MF-0.6)	0.071 (0.7)
	2.90		3.10			
	0.60		0.80			

H
J

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

