JX016K 6A Sensitive SCR

Rev.A.1.1

The JX016K 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 TO-252 is RoHS compliant.

Symbol	Value	Unit
$I_{T(RMS)}$	6	A
V_{DRM}/V_{RRM}	1600	V
I_{GT}	200	A

Peak gate power	P_{GM}	10	W
Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.8)	V_{pp}	1.5	kV

JX016K

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

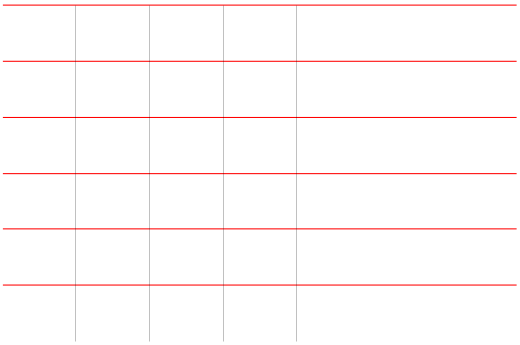
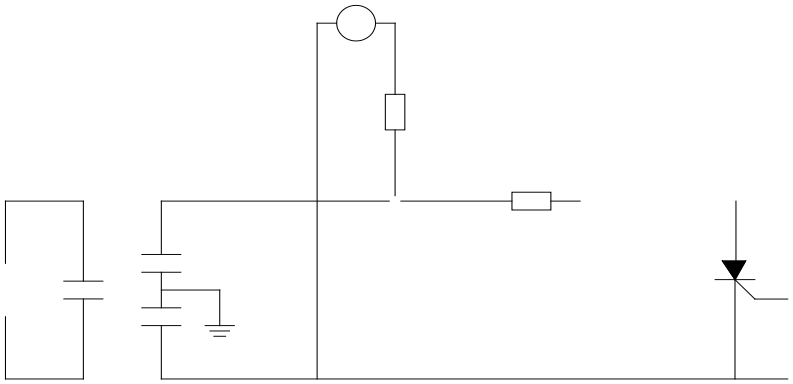
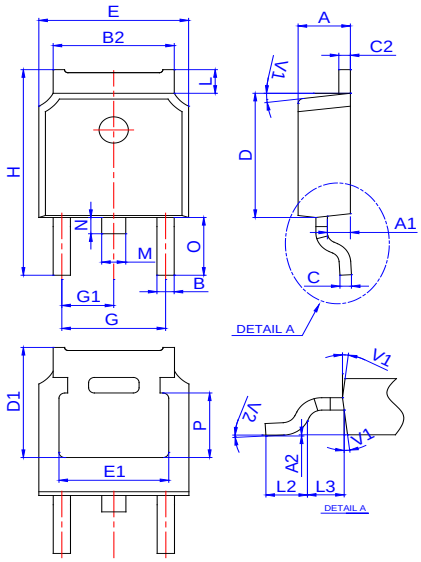


FIG.2: RMS on-state current versus case temperature

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





Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	2.10		2.50	0.083		0.098
A1	0.80		1.20	0.031		0.047
A2	0		0.15	0		0.006
B	0.66		0.86	0.026		0.034
B2	5.18		5.48	0.202		0.216
C	0.40		0.60	0.016		0.024
C2	0.44		0.58	0.017		0.023
D	5.90		6.30	0.232		0.248
D1	5.30REF			0.209REF		
E	6.40		6.80	0.252		0.268
E1	4.63			0.182		
G	4.47		4.67	0.176		0.184
G1	2.18		2.38	0.086		0.094
H	9.50		10.70	0.374		0.421
L	1.09		1.21	0.043		0.048
L2	1.35		1.65	0.053		0.065
L3	1.10		1.50	0.043		0.059
M	0.65		0.95	0.026		0.037
N	0.65		0.95	0.026		0.037
O	2.80		3.20	0.110		0.126
P	3.10		3.30	0.122		0.130
V1		7°			7°	
V2	0°		6°	0°		6°

