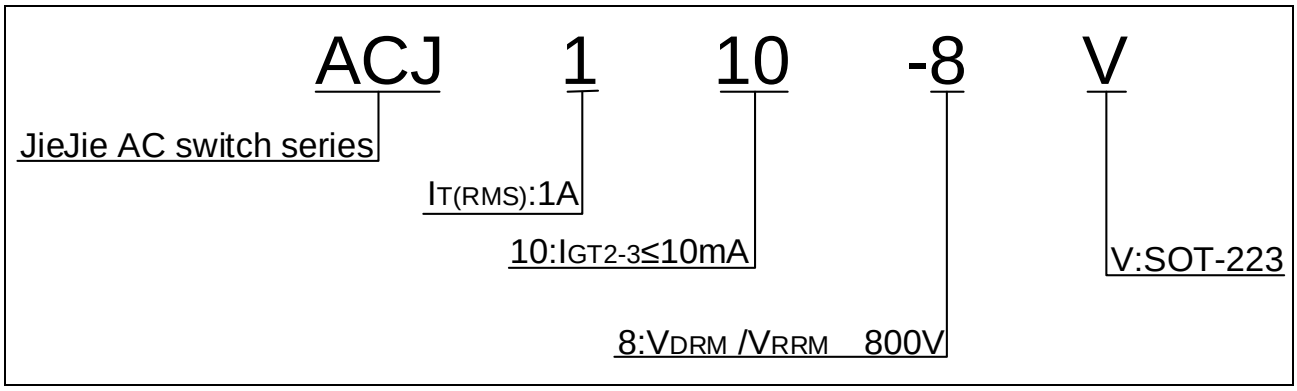
Average gate power dissipation (T_j=125)	$P_{G(AV)}$	0.1	W
Peak gate power	P_{GM}	2	W
Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.8)	V_{pp}	3.5	kV

(T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D =12V R_L =33Ω	-	MAX.	10	mA
V_{GT}		-	MAX.	1.3	V
V_{GD}	V_D =V_{DRM} T_j =125 R_L =3.3KΩ	-	MIN.	0.15	V
I_L	I_G =1.2I_{GT}				


ACJ
1
10
-8
V
JieJie AC switch series
IT(RMS):1A
10:IGT2-3≤10mA
8:VDRM /VRRM 800V
V:SOT-223

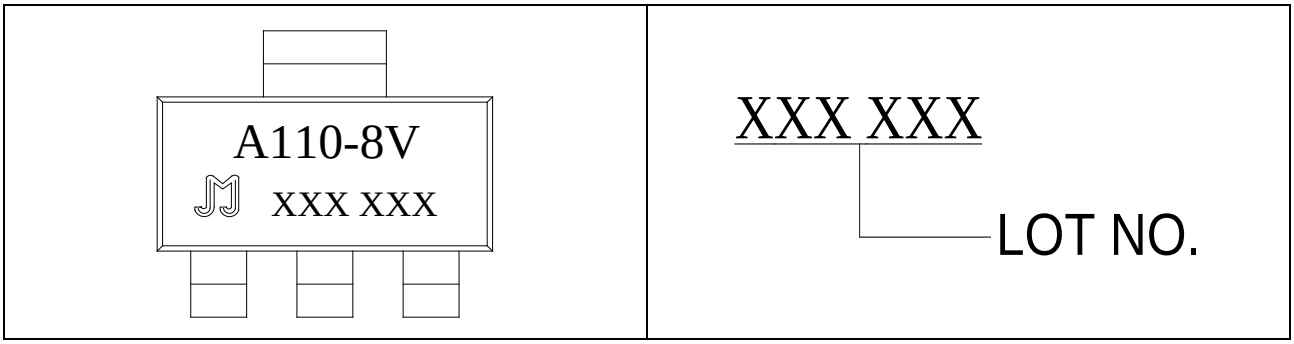

A110-8V
XXX XXX
XXX XXX
LOT NO.

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

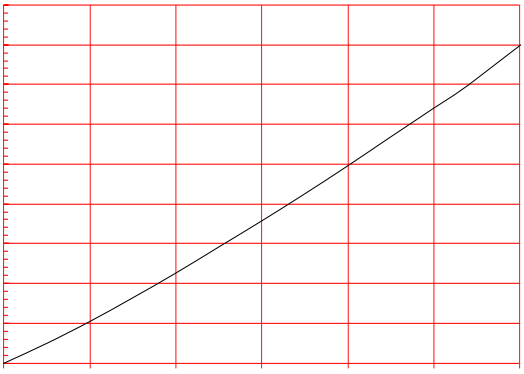


FIG.2: RMS on-state current versus case temperature

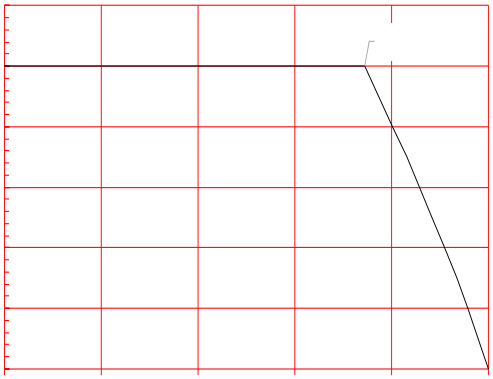


FIG.3: RMS on-state current versus ambient temperature (printed circuit board FR4,copper thickness:35μm)(full cycle)

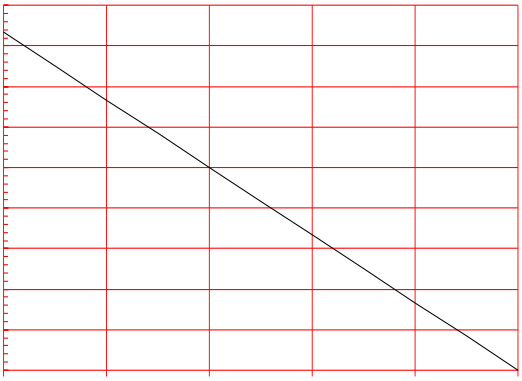
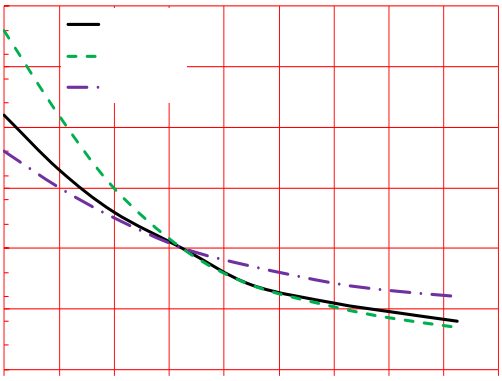
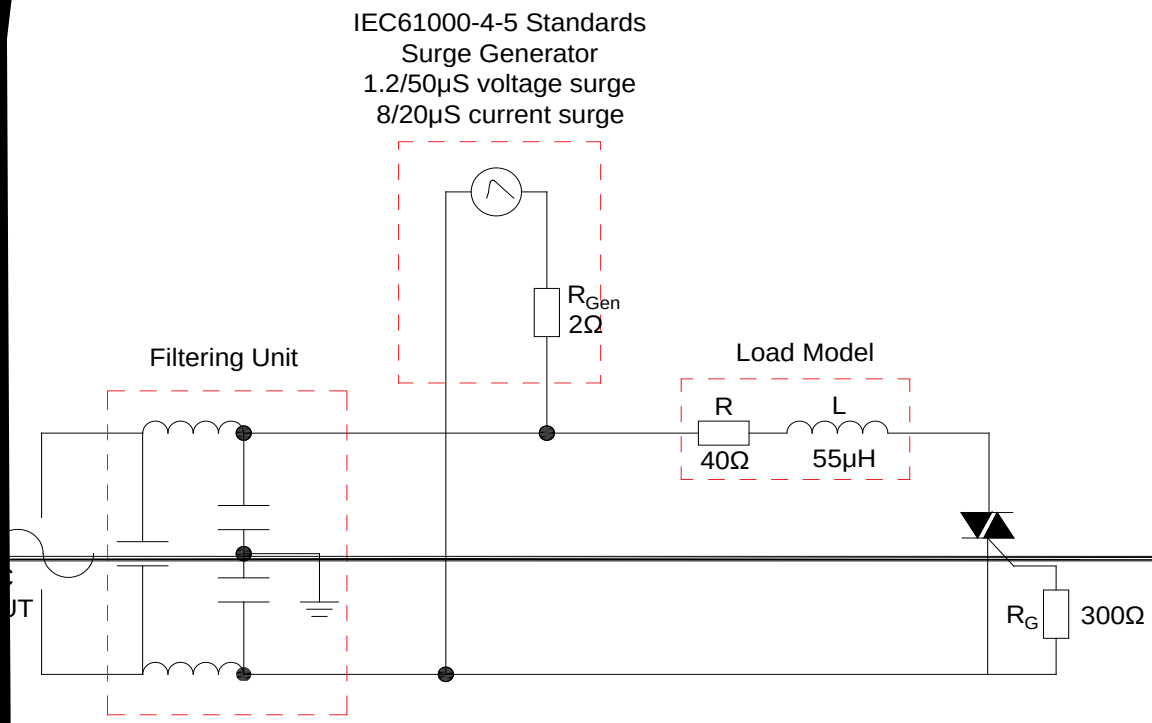


FIG.4: Surge peak on-state current versus number of cycles

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



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



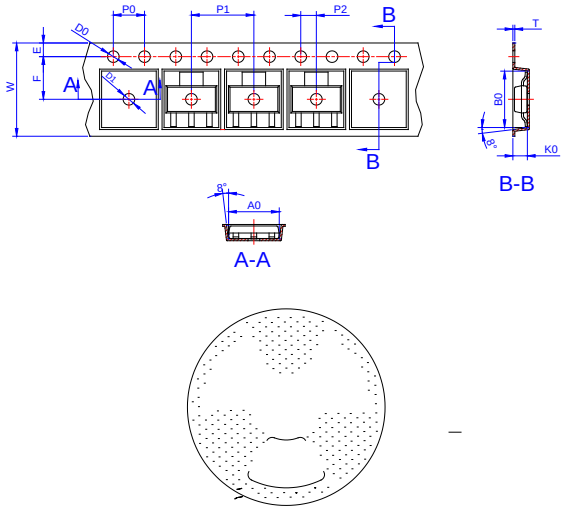
Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
ACJ110-8V	800	10	SOT-223	4,000	Tape & Reel

Document Revision History

Date	Revision	Changes
Apr.13, 2023	A.1.0	Last updated

Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	1.5	1.6	1.8	0.059		0.071
A1	0.01	0.06	0.10		0.002	
B	2.9	3.0	3.1	0.114		0.122
B1	0.6	0.7	0.8	0.024		0.031
C	0.22	0.26	0.32	0.009		0.013
D	6.3	6.5	6.7	0.248		0.264
E	3.3	3.5	3.7	0.130		0.146
F	4.4					
F1	2.2					
G						
H	1.5		2.0	0.059		0.079
J	6.7		7.3	0.264		0.287
K						

0.16 Tw -23.2404(6.3)Tj 8 0 Td 3 -1.672 T10.8(0.24(



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	1.50	1.55	1.60	0.059	0.061	0.063
D1	1.50	-	-	0.059	-	-
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

Information furnished in this document is believed to be accurate and reliable. However, Jiangsu JieJie Microelectronics Co., Ltd. assumes no responsibility for the consequences