

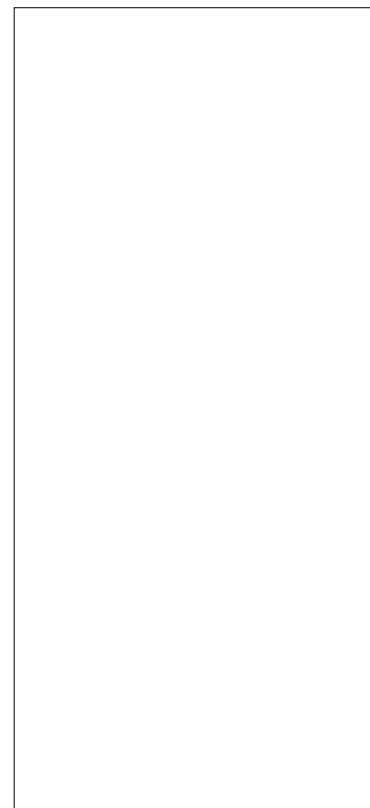


ACJ110-8W 1A TRIAC

Rev.A.1.1

DESCRIPTION:

The ACJ110-8W triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. The ACJ110-8W embeds a TVS structure to absorb the inductive turn-off energy such as those described in the IEC 61000-4-5 standards. At the same time, the triac shields the positive signal trigger to reduce the probability of product misoperation. It is triggered with a negative gate current flowing out of the gate pin. Package SOT-223-2L is RoHS compliant.



MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction temperature range	T_{stg}	-40-150	
Operating junction temperature range	T_j	-40-125	
Repetitive peak off-state voltage ($T_j=25^\circ\text{C}$)	V_{DRM}	800	V
Repetitive peak reverse voltage ($T_j=25^\circ\text{C}$)	V_{RRM}	800	V
RMS on-state current ($T_c 093^\circ\text{C}$)	$I_{T(RMS)}$	1	A

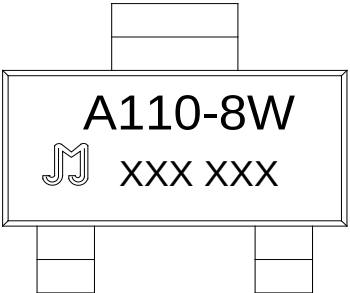
Non repetitive surge peak on-state current
(full cycle , $t_p=20\text{ms}$, $T_j=25^\circ\text{C}$)

I_{TSM}

ORDERING INFORMATION

<u>ACJ</u>	<u>1</u>	<u>10</u>	<u>-8</u>	<u>W</u>
JieJie AC switch series	$I_T(RMS):1A$	$10:I_{GT2-3} "10mA$	$8:V_{DRM} / V_{RRM} 1800V$	W:SOT-223-2L

MARKING

	<u>XXX XXX</u> LOT NO.
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ORDERING INFORMATION

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
ACJ110-8W	800	10	SOT-223-2L	4,000	Tape & Reel

Document Revision History

Date	Revision	Changes
Apr.13, 2023	A.1.0	Last updated
Oct.24, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

