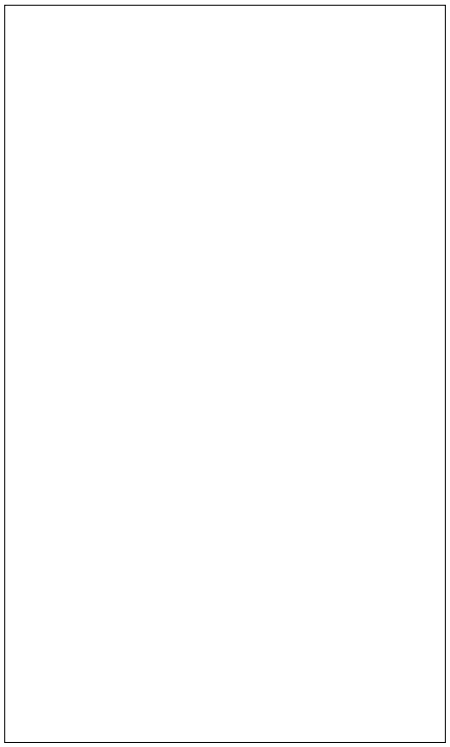
ACJT210-8V 2A TRIAC

Rev.A.1.1

DESCRIPTION:

The ACJT210-8V triac is suitable for general purpose



Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.8)		V_{pp}	4.5	kV

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D =12V R_L =33	- -	MAX.	10	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	V_D =V_{DRM} T_j =125 R_L =3.3k	- -	MIN.	0.2	V
I_L	I_G =1.2I_{GT}	-	MAX.	25	mA
				35	
I_H	I_T =100mA		MAX.	15	mA
dV/dt	V_D=540V Gate Open T_j =125		MIN.	900	V s
(dI/dt)c	(dV/dt)c=1 9 V $_j$=125		MIN.	3	A/ms
t_{on}	I_G=20mA I_A=200mA I_R=20mA T_j=25		TYP.	2.5	s
t_{off}				25	
V_{CL}	I_{CL}=0.1mA t_p=1ms		MIN.	850	V

STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
V_{TM}	I_{TM} =3A t_p=380 s	T_j=25	1.5	V
V_{TO}	Threshold voltage	T_j=125	0.79	V
R_D	Dynamic resistance	T_j=125	24290.481 re f83	

ACJT210-8V

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

FIG.2: RMS on-state current versus case temperature P(W)

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



ACJT2

ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
ACJT210-8V	800	10	SOT-223	4,000	Tape & Reel

Document Revision History

Date	Revision	Changes
Apr.14, 2023	A.1.0	Last updated
Oct.23, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

PACKAGE MECHANICAL DATA

Dimensions

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