Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.8)	V_{pp}	5	kV

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D =12V R_L =33Ω	- -	MAX.	35	mA
V_{GT}		- -	MAX1	V	
V_{GD}	V_D =V_{DRM} T_j =125 R_L =3.3KΩ	- -	MIN.	0.2V	
I_L	I_G =1.2I_{GT}	-	MAX.	50	
				mA 70	
I_H	I_T =500mA		MAX45	mA	
dV/dt	V_D=540V Gate Open T_j =125		MIN.	1000	V/μs
(dI/dt)c	(dV/dt)c=20V/μs, T_j=125		MIN.	15	A/ms
t_{on}	I_G=40mA I_A=200mA I_R=20mA T_j=25		TYP.	3	μs
t_{off}				30	
V_{CL}	I_{CL}=0.1mA t_p=1ms		MIN.	850	V

STATIC CHARACTERISTICS

Symbol	Parameter	Value(MAX.)	Unit
[redacted]			
V_{TO}	Threshold voltage TËÜ+1ÎVTC%+ ð™ ì Í `1.45 V		

ACJT1235-8E

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

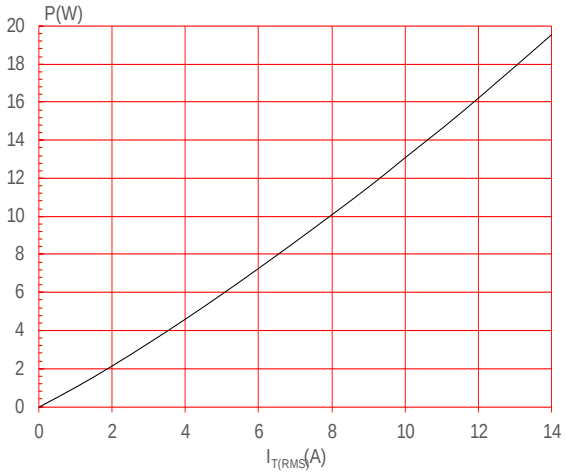


FIG.2: RMS on-state current versus case temperature

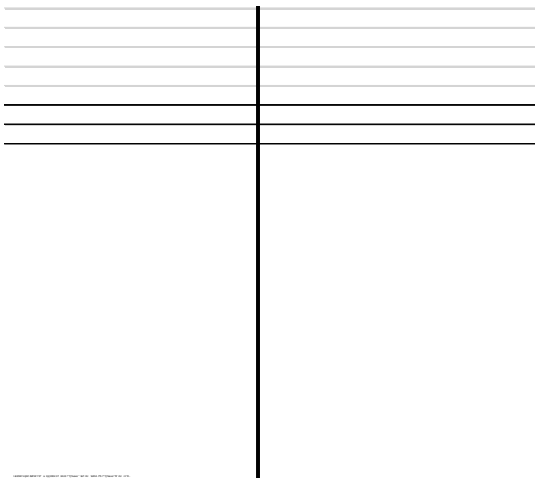
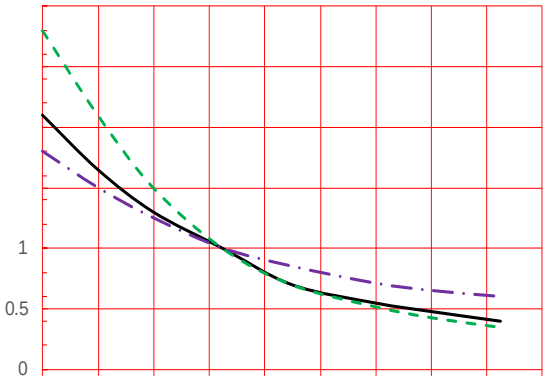


FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature



ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
ACJT1235-8E	800	35	TO-263	50	Tube
ACJT1235-8E-TR				800	Tape & Reel

Document Revision History

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

PACKAGE MECHANICAL DATA

Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	9.90		10.20	0.390		0.402
B	14.70		15.80	0.579		0.622
C	9.40		9.60	0.37		0.378
D	2.40			0.094		
E	1.20		1.50	0.047		0.059
F	0.75		0.85	0.029		0.033
G						
H	4.40		4.70	0.173		0.185A1.
J						
K						
			1			