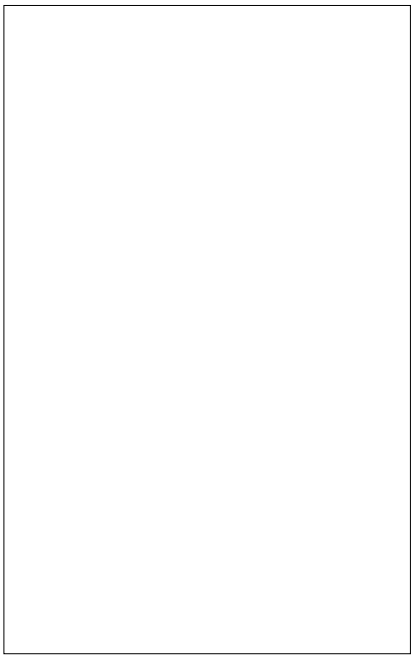
JCT620E 20A SCR

Rev A.1.1

DESCRIPTION:

With high ability to withstand the shock loading of

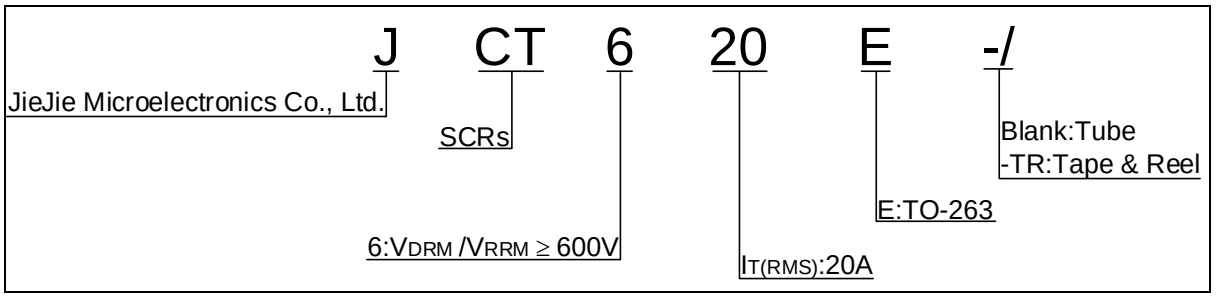


Peak gate power	P_{GM}	20	W
Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.8)	V_{pp}	0.5	kV

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Conditions	Value			Unit
		MIN.	TYP.	MAX.	
I_{GT}	V_D=12V R_L=33Ω	-	-	15	mA

ORDERING INFORMATION



MARKING

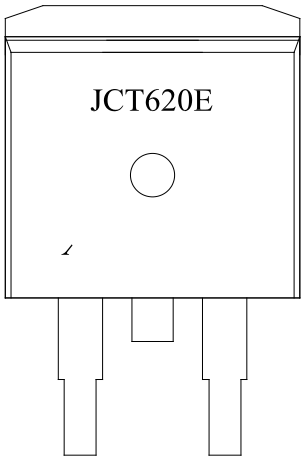
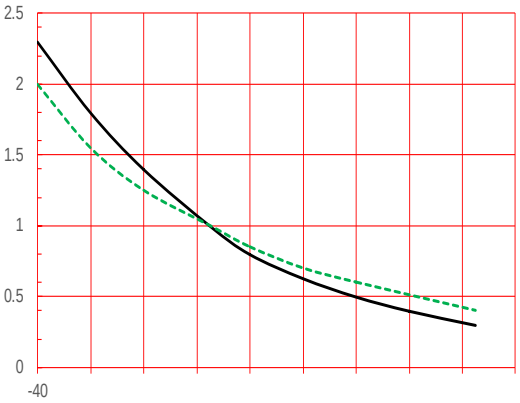


FIG.1: Maximum power dissipation versus RMS on-state current



FIG.2: RMS on-state current versus case temperature5101520253035048121620 24P(W)IT (R

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

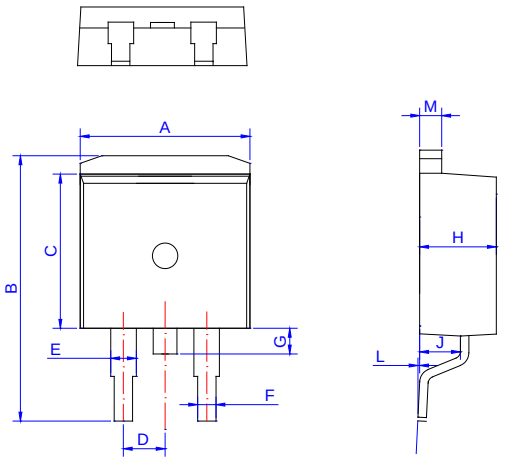


ORDERING INFORMATION

	Order co	Vo	IGT(mA)	Package	Bag ty (pcs)	Deliver mo	lage
	JCT620E	600	15	TO-263	50	Tube	
	JCT620E-TR				800	Tape & Reel	

Date	Revision	
Apr.13, 2023	A.1.0	Last update
Oct.16, 2025	A.1.1	evise PACKAGE MECHANICAL DATA

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	0.370		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

DELIVERY MODE

