



Schottky Diodes



Features

- High frequency operation
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced rugged

• **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102

- **Polarity:** As marked

■Maximum Ratings (T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	MBR2045CTS
Device marking code			MBR2045CTS
Repetitive Peak Reverse Voltage	VRRM	V	45
		@60Hz half sine-wave, 1 cycle, T _a =25	IFSM A
Current Squared Time @1ms≤t<8.3ms T _j =25	I ² t	A ² s	70
Storage Temperature	T _{stg}		-55 ~ +150
Junction Temperature	T _j		-55 ~ +150

■Electrical Characteristics T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MBR2045CTS
Maximum instantaneous forward voltage drop per diode	V _{FM}	V	I _{FM} =10.0A	0.9
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant				
	I _{RRM2}		V _{RM} =V _{RRM} T _a =125	100

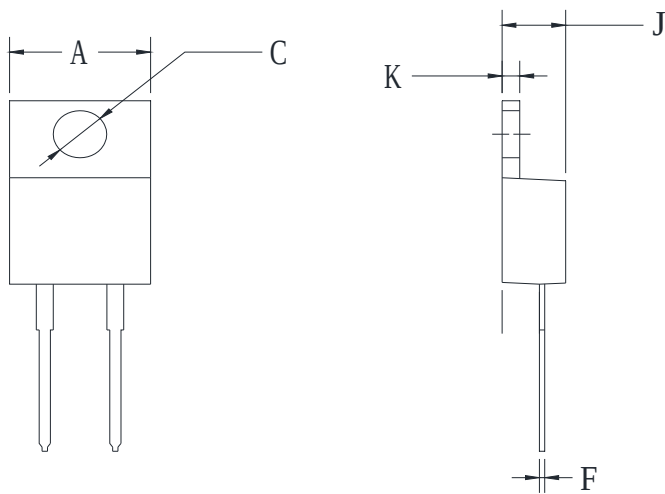
Note1:Pulse test:300uS pulse width,1% duty cycle

Note2:Pulse test:pulse width 40mS

MBR2045CTS



■Outline Dimensions





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