RoHS COMPLIANT

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■Maximum Ratings (Ta=[illegible]

PARAMETER			
	I_O		40
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, Ta=25	I_{FSM}		300
Current Squared Time @1ms≤t≤8.3ms Tj=25	I^2t	A^2s	373
Storage Temperature	T_{stg}		-55 ~ +175
Junction Temperature	Tj		-55 ~ +175

■Electrical Characteristics

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Min	Typ	Max
Peak Forward Voltage	V_{FM}	V	I_{FM}=20.0A Tj=25	0.5	0.85	0.9
			I_{FM}=20.0A Tj=125	-	0.74	0.78
DC reverse current at rated DC blocking voltage per diode	I_{RRM1}	mA	V_{RM}=V_{RRM} Tj=25	-	-	0.1
	I_{RRM2}		V_{RM}=V_{RRM} Tj=125	-	-	2.0
Junction capacitance	Cj	pF	1MHz and Applied Reverse Voltage of 4.0 V.D.C	200	320	550

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

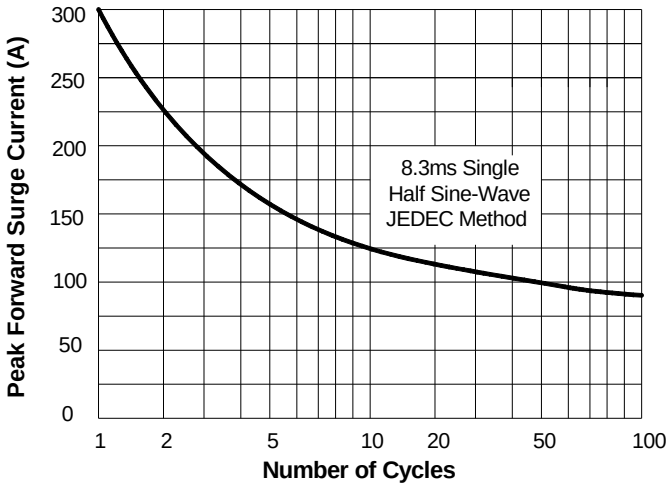
Note2:Pulse test:pulse widh 40mS

■**Thermal Characteristics** T_a=25 Unless otherwise specified

PARAMETER		SYMBOL	UNIT	MBR40200CT
Thermal Resistance	Between junction and ambient	$R_{\theta J-A}$	/W	50.0
	Between junction and case	$R_{\theta J-C}$	/W	2.0

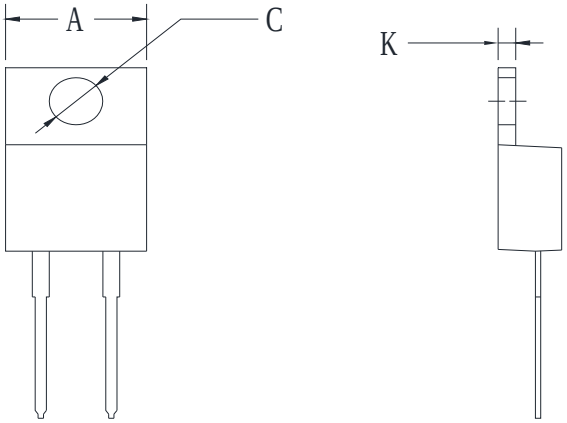
■**Characteristics** (Typical)

FIG2:Surge Forward Current Capability



Case Temperature

■**Outline Dimensions**



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