

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

■ **Maximum Ratings** (Ta=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	MBR20300CT
Device marking code			MBR20300CT
Repetitive Peak Reverse Voltage	VRRM	V	300
Average Rectified Output Current @60Hz sine wave, R-load, Ta=25	IO	A	20
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, Ta=25	IFSM	A	200
Current Squared Time @1ms≤t<8.3ms Tj=25	I²t	A²s	167
Junction Temperature			

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■ **Electrical Characteristics** Ta=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MBR20300CT
Maximum instantaneous forward voltage drop per diode	VFM	V	IFM=10.0A	0.975
Maximum DC reverse current at rated DC blocking voltage per diode	I _{RRM1}	mA	VRM=VRRM Ta=25	0.05
	I _{RRM2}		VRM=VRRM Ta=100	10



MBR20300CT

■ Thermal Characteristics $T_a=25$ Unless otherwise specified

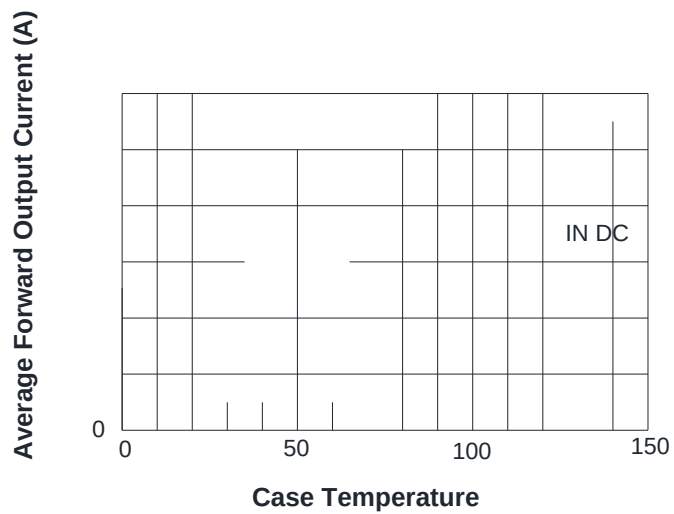
PARAMETER		SYMBOL	UNIT	MBR20300CT
Thermal Resistance	Between junction and case	$R_{\theta J-C}$	$^{\circ}W$	2.0

■ Ordering Information (Example)

PREFERRED P/N	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
MBR20300CT	Approximate 1.9	50	1000	5000	Tube

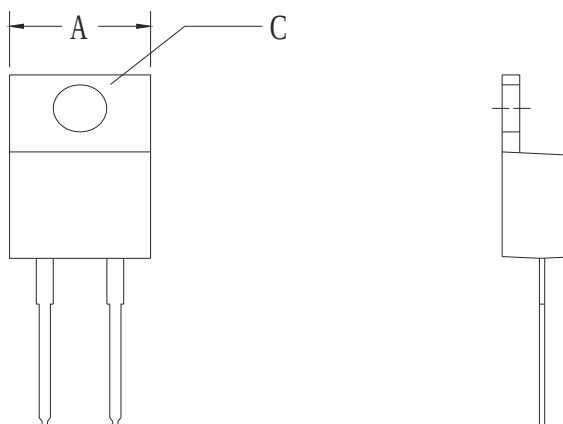
■ Characteristics (Typical)

FIG1: I_o - T_c Curve





■Outline Dimensions



MBR20300CT
