

Maximum Ratings and Thermal Characteristics (T_A = 25 °C unless otherwise noted)

PARAMETER		SYMBOL	LIMIT	UNITS
Maximum Repetitive Peak Reverse Voltage		V _{RRM}	100	V
Maximum Rms Voltage		V _{RMS}	70	V
Maximum Dc Blocking Voltage		V _{DC}	100	V
Maximum Average Forward Current	Per Device		20	
	Per Diode	IF(AV)	10	A
Peak Forward Surge Current : 8.3 ms Single Half Sine-			000	
Wave Superimposed On Rated Load Per Diode		IFSM	200	A
Typical Junction Capacitance			202	_
Measured at 1 MHZ And Applied $V_R = 4 V$		CJ	263	pF
Typical Thermal Resistance Per Diode ^(Note 1)		R _{θJC}	2	°C/W
Operating Junction Temperature Range		TJ	-65~175	٥C
Storage Temperature Range		T _{STG}	-65~175	°C







Electrical Characteristics (T_A = 25 °C unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Forward Voltage	VF	I⊧ = 1 A, TJ = 25 °C	-	0.51	-	V
		I _F = 10 A, T _J = 25 °C	-	0.77	0.8	
		I⊧ = 1 A, TJ = 125 °C	-	0.4	-	
		I _F = 10 A, T _J = 125 °C	-	0.63	-	
Reverse Current ^(Note 2)	I _R	V _R = 100 V, T _J = 25 °C	-	-	0.05	mA
		V _R = 100V,T _J = 125 °C	-	-	20	

NOTES:

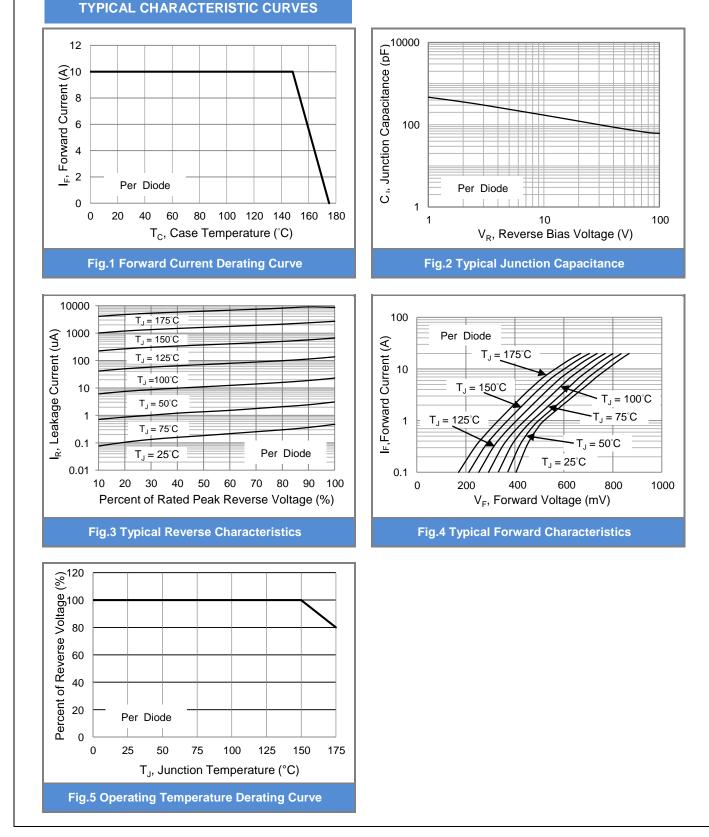
1. Mounted on infinite heatsink

2. Short duration pulse test used to minimize self-heating effect

July 13,2020

MBR20100CT_(LA)-REV.00





PANJIT SEMI CONDUCTOR MBR20100CT

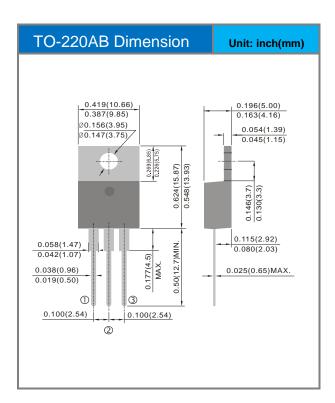


MBR20100CT

Part No. Packing Code Version

Part No. Packing Code	Package Type	Packing Type	Marking	Version
MBR20100CT_T0_00101	TO-220AB	50pcs / Tube	MBR20100CT	Halogen free

Packaging Information





MBR20100CT

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