

四川旭茂微科技有限公司

Sichuan Xu Mao Micro Technology Co.,Ltd

MBR10100CT

Schottky Diodes Reverse Voltage-40to200v Forward current-10A

Features

Schottky chip Ldeal for surface mounted applications Low forward voltage drop, Low power loss, high efficiency Plastic Case Material has UL Flammability

Mechanical Data

Package: TO-220AB,TO-220F,TO-263 Terminals:Tin Plated leads, solderable per Mil-STD-750 Method 2026 Polarity: As marked Molding compound meets UL 94 V-0 flammability rating, ROHS-compliant

Maximum Ratings (Ta=25°C Unless otherwise

PIN 1	○ ≯	-
	a 11	-0
PIN 3	• ▶	PIN 2

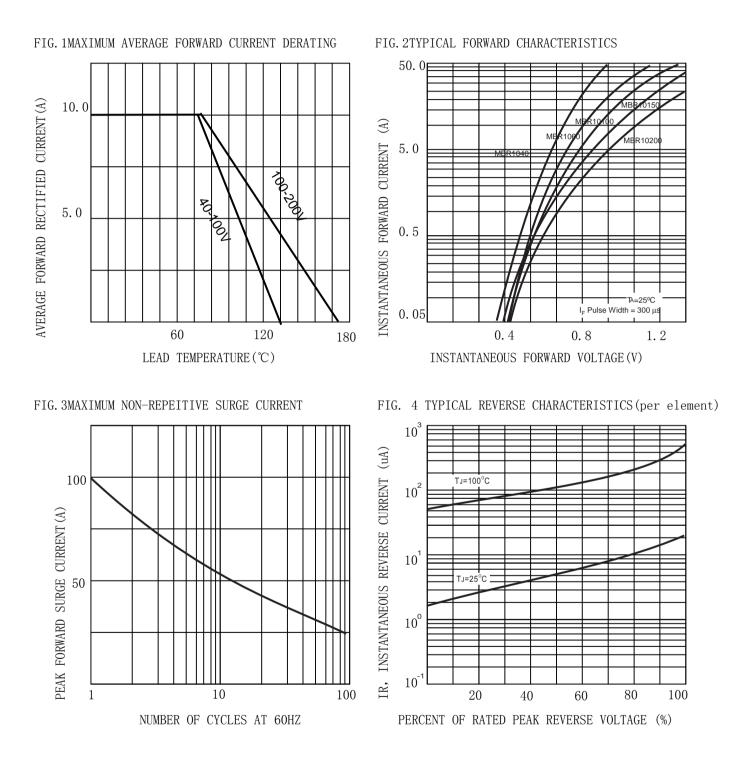


TO-220AB

specified) Type Number		MBR10100CT	Umit
Maximum Recurrent Peak Reverse Voltage		100	V
Maximum RMS Voltage		70	V
Maximum DC Blocking Voltage	V _{DC}	100	V
Maximum Average Forward Rectified Current at TL = 100 $^\circ\!\!\mathbb{C}$		10.0	А
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated		100.0	А
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25℃	IFSM -	200.0	А
Current squared time @1ms≤t8.3≤ms Tj=25℃,Rating of per diode	l ² t	41.5	A ² S
Maximum Forward Voltage at 5.0A DC	V _{FM}	0.85	V
Maximum Reverse Current TA = 25 °C	IR	0.1	mA
at Rated DC Blocking Voltage TA = 100° C	IT	20	mA
Typical Junction Capacitance	CJ	300	pF
Typical Thermal Resistance TO-220AB,TO-260	P	2.0	°С/W
TO-220F	R_{QJC}	4.0	
Operating Junction Temperature Range	TJ	—55to+150	°C
Storage Temperature Range	T _{STG}	—55to+150	°C

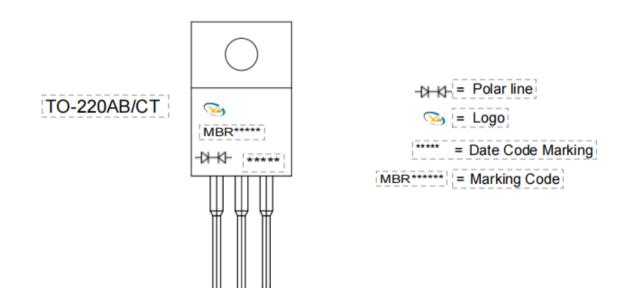


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MARKING INFORMATION



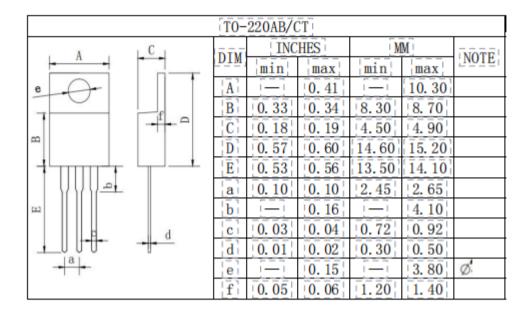


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Package Outline Dimensions millimeters





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