

四川旭茂微科技有限公司

Sichuan Xu Mao Micro Technology Co., Ltd

## <u>MBRF10150CT</u>

## 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℃ Unless otherwise specified)

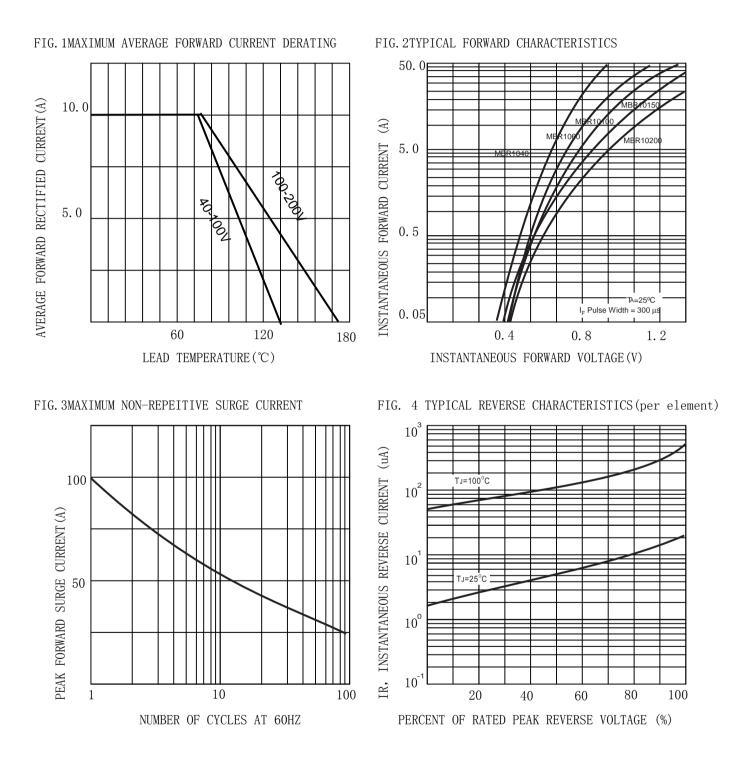
PIN 1	<b>○ ≯</b>	1
P <b>I</b> N 3	• ▶	PIN 2



Type Number	SYMBOL	MBRF10150CT	Umit	
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	150	V	
Maximum RMS Voltage		105	V	
Maximum DC Blocking Voltage	V <sub>DC</sub>	150	V	
Maximum Average Forward Rectified Current at TL = 100 $^\circ\!\!\mathbb{C}$	IO <sub>(AV)</sub>	10.0	А	
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	100.0	А	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25℃		200.0	А	
Current squared time @1ms≤t8.3≤ms Tj=25℃,Rating of per diode	l <sup>2</sup> t	41.5	A <sup>2</sup> S	
Maximum Forward Voltage at 5.0A DC	$V_{FM}$	0.90	V	
Maximum Reverse Current TA = 25 °C		0.1	mA	
at Rated DC Blocking Voltage TA = 100 $^\circ\!$	IR	20	mA	
Typical Junction Capacitance	CJ	300	pF	
Typical Thermal Resistance TO-220AB,TO-260	D	2.0	°C AA/	
TO-220F	R <sub>QJC</sub>	4.0	℃/W	
Operating Junction Temperature Range	TJ	55to+150	°C	
Storage Temperature Range	T <sub>STG</sub>	—55to+150	°C	

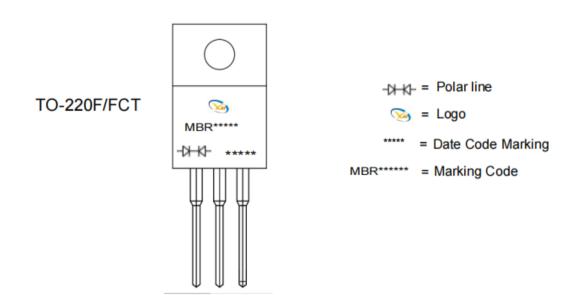


## MBRF10150CT





## MARKING INFORMATION





四川旭茂微科技有限公司 Sichuan Xu Mao Micro Technology Co., Ltd

# <u>MBRF10150CT</u>

Package Outline Dimensions millimeters

TO-220F/FCT								
		DIM	INCHES		MM		NOTE	
		DIM	min	max	min	max	NOTE	
e A-		Α	—	0.41	—	10.30		
		В	0.61	0.64	15.60	16.20		
m f	f	С	0.18	0.19	4.50	4.90		
	-	D	0.26	0.28	6.60	7.00		
		E	0.50	0.53	12.80	13.40		
	$\square$	a	0.10	0.10	2.45	2.65		
		b	_	0.16	_	4.10		
		с	0.03	0.04	0.72	0.92		
		d	0.02	0.02	0.40	0.60		
	d	е	_	0.15		3.80	Ø	
	11	f	0.09	0.11	2.40	2.80		



# Important Statements and disclaimers.

Do not copy or modify file information without permission.

Xumao Micro reserves the right to modify this document and its products.

Specifications are available without prior notice. Customer shall obtain and confirm the latest product information and specifications prior to final design, purchase or use.

Xumao Micro does not assume any implied warranties, including warranties of fitness for special purposes, non-infringement and merchantability.

The products shown here are not designed and licensed for demanding equipment at a level of reliability or for human life and any life-saving related applications or life-sustaining, such as medical devices, transportation equipment, aerospace machinery, and so on. Customers who use or sell these products for such applications do so at their own risk.

As Xumao Micro uses batch number as tracking benchmark, please provide batch number for tracking in case of exception.

## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Schottky Diodes & Rectifiers category:

Click to view products by XUMAO manufacturer:

Other Similar products are found below :

MA4E2039 MMBD301M3T5G HFA35HB60C RB160M-50TR D83C BAS16E6433HTMA1 BAS 3010S-02LRH E6327 BAT 54-02LRH E6327 NRVBAF360T3G NSR05F40QNXT5G NTE555 JANS1N6640 SS3003CH-TL-E GA01SHT18 CRS10I30A(TE85L,QM MBRA140TRPBF MBRB30H30CT-1G BAT 15-04R E6152 JANTX1N5712-1 DMJ3940-000 SB007-03C-TB-E NRVBB20100CTT4G NRVBM120LT1G NTSB30U100CT-1G CRG04(T5L,TEMQ) ACDBA1100LR-HF ACDBA1200-HF ACDBA240-HF ACDBA3100-HF CDBQC0530L-HF ACDBA260LR-HF ACDBA1100-HF 10BQ015-M3/5BT NRVBM120ET1G VSSB410S-M3/5BT 1N5819T-G PDS1040Q-13 B160BQ-13-F SDM05U20CSP-7 BAS 70-07 E6433 B140S1F-7 HSM560Je3/TR13 DDB2265-000 ZHCS506QTA HSM190Je3/TR13 B330AF-13 ACDBUC0230-HF SDM1U100S1F-7 MBR10200CTF-G1 CDLL5712