



Schottky Barrier Rectifier

Voltage 200 V Current 10 A

Features

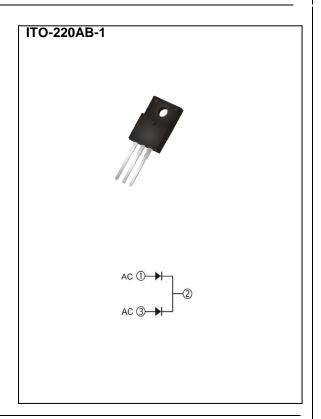
- Low power loss, high efficiency
- High surge current capability
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC 61249 standard

Mechanical Data

• Case: ITO-220AB-1 Package

• Terminals : Solderable per MIL-STD-750, Method 2026

• Approx. Weight: 0.0765 ounces, 2.17 grams



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

PARAMETER	SYMBOL	LIMIT	UNITS		
Maximum Repetitive Peak Reverse Voltage		V _{RRM}	200	V	
Maximum Rms Voltage		V _{RMS}	140	V	
Maximum Dc Blocking Voltage		V _{DC}	200	V	
Maximum Average Forward Current	Per Device	l _{F(AV)}	10	_	
	Per Diode		5	Α	
Peak Forward Surge Current: 8.3 ms Singl Wave Superimposed On Rated Load Per D	Ігѕм	150	Α		
Typical Junction Capacitance		Сл	04	pF	
Measured at 1 MHZ And Applied V _R = 4 V	81				
Typical Thermal Resistance Per Diode(Note 1)		R ₀ JC	2	°C/W	
Operating Junction Temperature Range		TJ	-65~175	°C	
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 _F = 1 A, T _J = 25 °C	-	0.68	-	V
		I _F = 5 A, T _J = 25 °C	-	0.81	0.9	
		I _F = 1 A, T _J = 125 °C	-	0.53	-	
		I _F = 5 A, T _J = 125 °C	-	0.68	-	
Reverse Current ^(Note 2)	I _R	V _R = 200 V, T _J = 25 °C	-	-	0.05	mA
		V _R = 200 V, T _J = 125 °C	-	-	20	

NOTES:

- 1. Mounted on infinite heatsink
- 2. Short duration pulse test used to minimize self-heating effect





TYPICAL CHARACTERISTIC CURVES

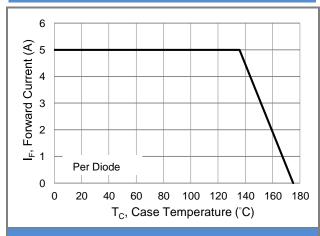


Fig.1 Forward Current Derating Curve

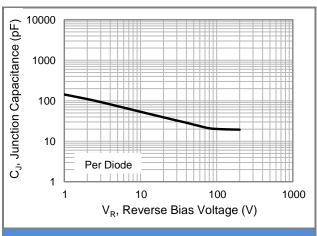


Fig.2 Typical Junction Capacitance

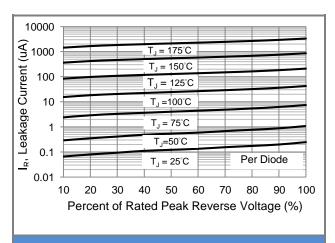
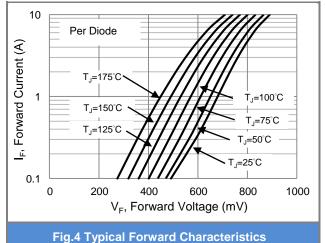


Fig.3 Typical Reverse Characteristics



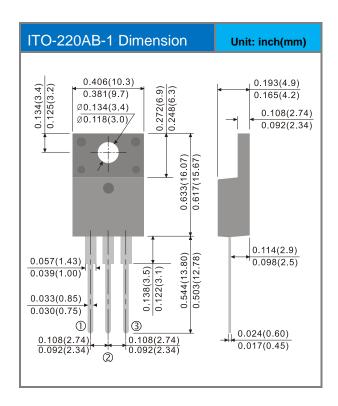




Part No. Packing Code Version

Pa	art No. Packing Code	Package Type	Packing Type	Marking	Version
МВ	R10200FCT_T0_00101	ITO-220AB-1	50pcs / Tube	MBR10200FCT	Halogen free

Packaging Information







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