

MBR10100CFSH

SCHOTTKY BARRIER RECTIFIER

Reverse Voltage - 100 Volts

Forward Current - 10 Amperes

FEATURES

- * Halogen-free type
- * Compliance to RoHS produc
- * Low power loss & high efficiency
- * High surge capability
- * 10 Amperes total (5 Amperes per diode leg)
- * High surge current capability
- * Epitaxial construction
- * Plastic Material-UL Recognition Flammability Classification 94V-0

MECHANICAL DATA

Case : JEDEC ITO-220AB molded plastic body
Terminals : Plated Leads, solderable per MIL-STD-750, Method 2026
Polarity : Molded on body
Mounting Position : Any

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

<i>Ratings at 25 °C ambient temperature unless otherwise specified.</i>	SYMBOLS	<i>MBR10100CFSH</i>	UNITS
Maximum repetitive peak reverse voltage	VRRM	100	Volts
Maximum RMS voltage	VRMS	70	
Maximum DC blocking voltage	VDC	100	
Peak repetitive forward current (rated VR, square wave, 20KHz)	IFM	10	
Maximum instantaneous forward voltage @ IF= 5 A	VF	0.82 0.75	
Maximum DC reverse current at rated DC blocking voltage @Tj=25°C @Tj=125°C	IR	0.01 10	
Typical junction capacitance (Note)	CJ	250	pF
Typical thermal resistance	R		