

	MBR30100CFSH SCHOTTKY BARRIER RECTIFIER		
	Reverse Voltage - 100 Volts Forward Current - 30 Amperes		
	FEATURES		
	* Halogen-free type * Compliance to RoHS produc * Low power loss & high efficiency * High surge capability * 30 Amperes total (15 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			
Ratings at 25 °C ambient temperature unless otherwise specified.	SYMBOLS	MBR30100CFSH	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	30	
Maximum instantaneous forward voltage @ IF= 15 A	VF	0.86 0.67	
Maximum DC reverse current at rated DC blocking voltage	@Tj=25°C @Tj=125°C IR	0.01 10	
Typical junction capacitance (Note)	CJ	350	pF
Typical thermal resistance	R		