

MB220F

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE 200 Volts **CURRENT** 2 Amperes

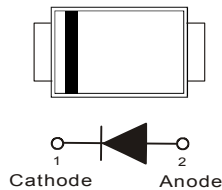
SMBF Unit : inch(mm)

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-O
- For surface mounted applications
- Low profile package
- Built-in strain relief
- Metal to silicon rectifier. majority carrier conduction
- Low power loss,high efficiency
- High surge capacity
- For use in low voltage high frequency inverters, free wheeling, and polarity protection applications
- Lead free in comply with EU RoHS 2002/95/EC directives.
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- Case: SMBF molded plastic
- Terminals: Solder plated, solderable per MIL-STD-750,Method 2026
- Approx. Weight: 0.0018 ounces, 0.05 grams
- Polarity : Color band denotes cathode end



MAXIMUM RATINGS (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL		UNITS
Recurrent Peak Reverse Voltage	V _{RRM}	200	V
RMS Voltage	V _{RMS}	140	V
DC Blocking Voltage	V _R	200	V
Average Forward Current	I _{F(AV)}	2	A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load(JEDEC method)	I _{FSM}	50	A
Typical Thermal Resistance ,Junction to Lead (Note 1) Junction to Ambient (Note 1)	R _{θJL} R _{θJA}	20 62.5	°C / W
Operating Junction Temperature and Storage Temperature Range	T _J , T _{STG}	-55 to +150	°C

NOTES :

1. Mounted on 48cm² FR-4 PCB.