



MBR50100LCT

SCHOTTKY BARRIER RECTIFIERS

Reverse Voltage - 100 V

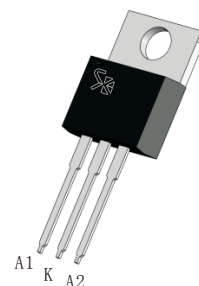
Forward Current - 25 A

FEATURES

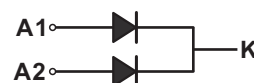
- High current capability
- Low forward voltage drop
- Low power loss, high efficiency
- High surge capability
- High temperature soldering guaranteed
- Mounting position: any

Mechanical data

- Case: TO-220
- Approx. Weight: 1.9g (0.067oz)
- Terminals: Lead solderable per MIL-STD-202, Method 208



TO-220



ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified

Parameter		Symbol	Spec. Limit			Unit
			Min.	Typ.	Max.	
Max. Repetitive Peak Reverse Voltage @0.5mA		V_{RRM}	100	107		V
Max. Average Forward Rectified Current		$I_{F(AV)}$			25	A
Forward Voltage Drop	@ $I_F=3A$ @ $I_F=10A$	V_F		0.41 0.53	0.45 0.57	V
Max. Reverse Current at V_{RRM} @100V		I_R		30	80	μA
Operating Temperature Range		T_J	-55		+150	°C
Storage Temperature Range		T_{STG}	-55		+150	°C

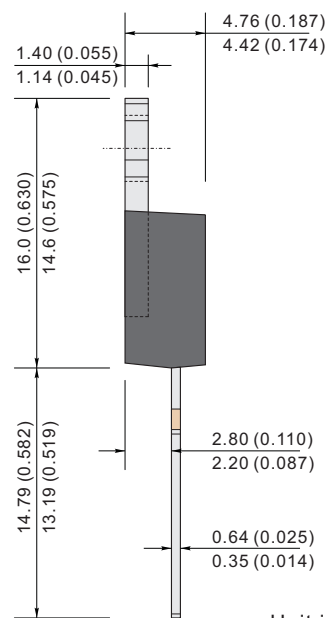
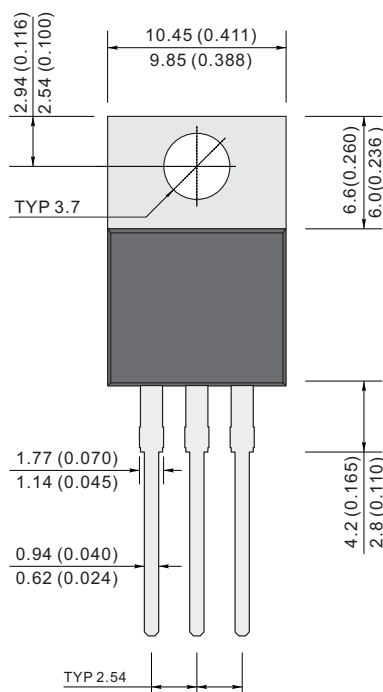


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PACKAGE OUTLINE

Plastic surface mounted package; 3 leads

TO-220



Unit:inch (mm)