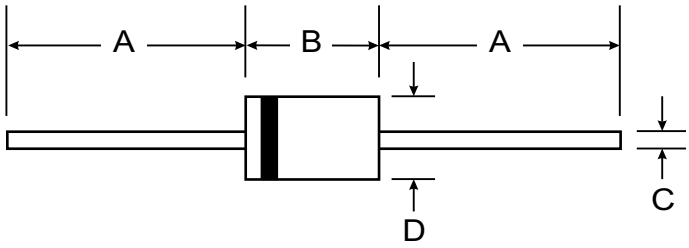
SR202

2.0 AMPERE SCHOTTKY BARRIER RECTIFIER

Features

- High Current Capability
- Very Low Forward Voltage Drop
- High Surge Capability
- Guard Ring Transient Protection
- High Frequency Operation



Mechanical Data

- Terminals: Axial leads Solderable per MIL-STD-202, Method 208
- Case: Transfer Molded Epoxy U/L Flammability Rating 94V-0
- Weight: 0.4 grams (approx.)
- Marking: Type No. and Cathode Band

	Min	Max
A	25.4	—
B	4.1	5.2
C	0.71	0.86
D	2.0	2.7
All dimensions in mm		

Maximum Ratings and Electrical Characteristics 25°C unless otherwise specified

Characteristic	Symbol	Value	Unit
Max. dc Applied Reverse Voltage Max. Working Peak Reverse Voltage	V_R V_{RRM}	20	V
Average Forward Current @ T_A = 25°C	I_{AV}	2.0	A
Peak One-Cycle Surge Current	I_{FSM}	70	A
Max. Instantaneous Voltage Drop I_F = 2.0A, T_J = 25°C See Fig 1 and Note 1	V_{FM}	0.55	V
Reverse Leakage Current See Note 1	I_{RM}	1.0	mA
Typical Junction Capacitance See Fig. 3 and Note 2	C_T	190	pF
Storage and Operating Temperature Range	T_j, T_{STG}	-55 to +125	°C

Notes: 1. Pulse width ≤ 300 µs, duty cycle ≤ 2%.
2. Measured at 1 MHz and applied reverse voltage of 5.0 volts.