

SMB Termination

50Ω

DC to 6000 MHz

ROSE-50+



CASE STYLE: LL604

| Connectors | Model | Price | Qty. |
|------------|----------|------------|-------|
| SMB-FEM | ROSE-50+ | \$9.95 ea. | (1-9) |

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

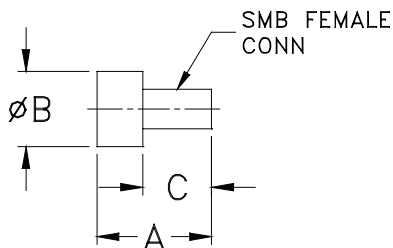
Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



Outline Dimensions (inch/mm)

| A | B | D | wt |
|-------|------|------|-------|
| 0.55 | 0.36 | 0.33 | grams |
| 13.97 | 9.14 | 8.38 | 4.0 |

Features

- SMB connector with female center contact
- wideband, DC to 6000 MHz
- rugged construction

Applications

- cellular communications
- test set-up
- instrumentation
- PCS

Electrical Specifications

| FREQUENCY (MHz) | IMPEDANCE (OHMS) | RETURN LOSS (dB) MIN. | | | POWER RATING* (W) |
|-----------------|------------------|-----------------------|----------|----------|-------------------|
| | | DC-2 GHz | DC-4 GHz | DC-6 GHz | |
| DC-6000 | 50 | 30 | 23 | 20 | 0.50 |

*At 70°C, derate linearly at 0.005W/°C to .35W at 100°C.

Typical Performance Data

| Frequency (MHz) | Return Loss (dB) |
|-----------------|------------------|
| 1.00 | 69.84 |
| 100.00 | 70.87 |
| 200.00 | 65.00 |
| 500.00 | 50.04 |
| 1000.00 | 49.61 |
| 2000.00 | 45.48 |
| 3000.00 | 47.04 |
| 4000.00 | 35.88 |
| 5000.00 | 28.01 |
| 6000.00 | 24.18 |



Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
 B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
 C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp

