

Coaxial DC Block SMA

NEW!

BLK-89

0.0001 to 8 GHz

Maximum Ratings

| | |
|-----------------------|----------------|
| Operating Temperature | -55°C to 100°C |
| Storage Temperature | -55°C to 100°C |
| Max. DC input voltage | 50V |

Features

- broadband performance
- low insertion loss
- rugged unibody construction
- off-the-shelf availability

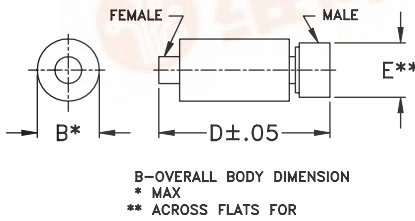


CASE STYLE: FF888
CONNECTOR: SMA (F) - SMA (M)
PRICE: \$14.95 ea.
QTY. (1-9)

Applications

- test and measurement instrumentation
- communication systems
- defense systems

Outline Drawing



Electrical Specifications at 25°C

| FREQUENCY (GHz) | INSERTION LOSS (dB) | | RETURN LOSS (dB) | |
|-----------------|---------------------|------|------------------|------|
| | Typ. | Max. | Typ. | Min. |
| 0.0001-0.1 | .010 | .09 | 40 | 20 |
| 0.01-1.0 | 0.10 | 0.3 | 36 | 25 |
| 1.0-4.0 | 0.15 | 0.8 | 24 | 18 |
| 4.0-8.0 | 0.5 | 0.9 | 20 | 13 |

Outline Dimensions (inch/mm)

| | | | |
|-------|-------|------|-------|
| B | D | E | wt. |
| .46 | 1.18 | .31 | grams |
| 11.68 | 29.97 | 7.87 | 7.0 |

Typical Performance Data

| FREQUENCY (MHz) | INSERTION LOSS (dB) | RETURN LOSS (dB) | |
|-----------------|---------------------|------------------|--------|
| | | MALE | FEMALE |
| 0.3 | 0.01 | 31.86 | 31.89 |
| 0.6 | 0.01 | 32.19 | 32.23 |
| 0.9 | 0.01 | 32.52 | 32.58 |
| 1.0 | 0.01 | 32.63 | 32.69 |
| 50.0 | 0.02 | 48.75 | 48.76 |
| 100.0 | 0.03 | 44.40 | 44.44 |
| 200.0 | 0.04 | 40.26 | 40.33 |
| 300.0 | 0.05 | 37.96 | 38.27 |
| 400.0 | 0.06 | 36.24 | 36.45 |
| 500.0 | 0.06 | 34.94 | 35.08 |
| 700.0 | 0.07 | 32.57 | 32.78 |
| 800.0 | 0.08 | 31.67 | 31.84 |
| 900.0 | 0.08 | 30.86 | 31.04 |
| 1000.0 | 0.09 | 30.27 | 30.41 |
| 2000.0 | 0.12 | 26.09 | 26.06 |
| 3000.0 | 0.18 | 24.48 | 24.04 |
| 4000.0 | 0.24 | 22.65 | 22.58 |
| 5000.0 | 0.41 | 20.64 | 21.77 |
| 6000.0 | 0.47 | 20.26 | 22.30 |
| 7000.0 | 0.42 | 19.52 | 21.11 |
| 8000.0 | 0.51 | 17.29 | 18.16 |

Schematic

