

DC - 18 GHz Performance

- Inside/Outside and Inside only
- Greater than 60 dB Isolation at 1KHz
- Low VSWR and Insertion loss
- Rugged Stainless Steel Construction

Midwest Microwave's Inside/Outside and Inside only DC Blocks pass all frequencies from 100 Mhz to 18 GHz while exhibiting low insertion loss and low VSWR. The inner only DC Blocks pass all frequencies from 250 MHz to 18 GHz while also exhibiting low insertion loss and low VSWR. Both types pose a very high insertion loss to frequencies such as 60 Hz, 120 Hz, 400 Hz, and 1 KHz. They are designed for laboratory, production line, or system use and are available in all of the popular connector interfaces. They are manufactured using rugged stainless steel and are 100 % tested to assure dependable high quality performance.



SPECIFICATIONS

Frequency: 250 MHz - 18.5 GHz

VSWR: 1.35 max.

Impedance: 50 Ohms

Insertion Loss: 0.5 dB

Isolation: > 60 dB @ 1 KHz

D.C. Working Voltage: 200 Volts min.

Operating Temperature Range: -20 to +100 °C

Finish: Passivated Stainless Steel

INSIDE ONLY

| 250 MHz - 18.5 GHz | Inside Only 3510 Series | Model Numbers |
|---|---|---|
| Male/Female | Female/Female | Male/Male |
| DCB-3510-MF-SMA-02 | DCB-3510-FF-SMA-02 | DCB-3510-MM-SMA-02 |
| A = 0.280 (7.1) Dia. B = 0.880 (22.4) Long | A = 0.280 (7.1) Dia. B = 0.780 (19.8) Long | A = 0.280 (7.1) Dia. B = 0.980 (24.9) Long |

INSIDE / OUTSIDE

| 500 MHz - 18.5 GHz | Inside / Outside 3511 Series | Model Numbers |
|--|--|--|
| Male/Female | Female/Female | Male/Male |
| DCB-3511-MF-SMA-02 | DCB-3511-FF-SMA-02 | DCB-3511-MM-SMA-02 |
| A = 0.480 (12.2) Dia. B = 1.100 (27.9) Long | A = 0.480 (12.2) Dia. B = 1.020 (25.9) Long | A = 0.480 (12.2) Dia. B = 1.200 (30.5) Long |

