

THE PERFORMANCE LEADER IN MICROWAVE CONNECTORS

2022 - 2023



Precision Adapters: DC to 110 GHz

- Low VSWR
- Low Insertion Loss
- Low RF Leakage
- High Temperature
- Rugged & Durable
- Excellent Repeatability



SPECIFICATIONS

Southwest Microwave offers a full range of within-series and between-series precision adapters with near-metrology grade performance.

- High performing connector savers, DC to 110 GHz
- Economical solution for critical production and testing
- Approved for demanding environments such as Space and other Hi-Rel applications
- High repeatability and accuracy
- Available in various configurations

ELECTRICAL

Low VSWR:

DC to 18.0 GHz	1.10:1 Max
18.0 to 27.0 GHz	1.15:1 Max
27 to 40 GHz	1.15:1 Max
40 to 50 GHz	1.18:1 Max
50 to 67 GHz	1.25:1 Max
67 to 110 GHz	1.28:1 Max

Low RF Leakage: ≤ -100 dB

Low Insertion Loss

TEMPERATURE

-55°C to +165°C:

N-to-SMA, SMA-to-SMA, 2.92 mm-to-1.85 mm,
1.85 mm-to-1.85 mm, 1.85 mm-to-0.9 mm,
0.9 mm-to-0.9 mm, 0.9 mm-to-1.0 mm and 1.0 mm-to-1.0 mm

-55°C to +135°C:

All other adapters

TEST DATA

Test data is available at southwestmicrowave.com

1.0 mm (W) (110 GHz)



2430-00SF
F to M



2431-00SF
M to M



2432-00SF
F to F

1.85 mm (V) to 1.0 mm (W) (67 GHz)



182410-00SF
F to F



182420-00SF
F to M



182430-00SF
M to F



182440-00SF
M to M

1.85 mm (V) (67 GHz)



1830-00SF
F to M



1830-02SF
F to M
(NMD)



1831-00SF
M to M



1832-00SF
F to F



1832-02SF
F to F
(Bulkhead)

2.40 mm (50 GHz)



1430-00SF
F to M



1431-00SF
M to M



1432-00SF
F to F

2.92 mm (K) to 1.85 mm (V) (40 GHz)



101810-00SF
F to F



101820-00SF
F to M



101830-00SF
M to F



101840-00SF
M to M

2.92 mm (K) to 2.40 mm (40 GHz)



101410-00SF
F to F



101420-00SF
F to M



101430-00SF
M to F



101440-00SF
M to M

2.92 mm (K) (40 GHz)



1030-00SF
F to M



1031-00SF
M to M



1032-00SF
F to F



1030-10SF
F to M
(Bulkhead)



1032-10SF
F to F
(Bulkhead)



1032-13SF
F to F
(Flange Mount)
O-Ring not included.

3.5 mm to 2.40 mm (33 GHz)



61410-00SF
F to F



61420-00SF
F to M



61430-00SF
M to F



61440-00SF
M to M

SMA (27 GHz)



230-506SF
F to M



231-502SF
M to M



232-502SF
F to F



232-510SF
F to F
(Bulkhead)



232-514SF
F to F
(Un-Threaded Mounting)

N to SMA (18 GHz)



2310SF
F to F



2320SF
M to F



2330SF
F to M



2340SF
M to M



2311SF
F to M



2312SF
F to F

SSMA (Airline) to 2.40 mm (40 GHz)



11410-00SF
F to F



11420-00SF
F to M



11430-00SF
M to F



11440-00SF
M to M

0.9 mm SuperMini (67 GHz)



535310-00G
F to F

0.9 mm SuperMini to 1.0 mm (W) (67 GHz)



245220-00SF
M to F



245310-00SF
F to F

0.9 mm SuperMini to 1.85 mm (V) (67 GHz)



185220-00G
M to F



185240-00G
M to M



185310-00G
F to F



185330-00G
F to M