Stock Filters

PCS BAND RECEIVE FILTER

- **Passes Full PCS Receive Band**
- **High Rejection at PCS Tx Bands**
- **Low Insertion Loss**
- **Small Footprint**
- **Excellent Temperature Stability**

DESCRIPTION

Narda's PCS Fullband Receive Filter provides highly selective receive channel filtering. It is designed to pass the full PCS receive band of 1850 to 1910 MHz while providing more then 60 dB rejection over the 1930 to 1990 transmit band. Out-of-band rejection is greater than 75 dB from 1990 to 2700 MHz. In addition the device provides more than 60 dB rejection from DC to 1815 MHz. This filter has a 1.0 dB maximum passband insertion loss with 0.7 dB typical. It comes in a compact, mountable package and is provided with SMA female connectors.

SPECIFICATIONS

MODEL NUMBER	SFB-01A-1819-04
PASSBAND	1850 - 1910 MHz
PASSBAND INSERTION LOSS	1.0 dB MAX
PASSBAND LOSS VARIATION	0.4 dB MAX
PASSBAND RETURN LOSS	14 dB MIN
REJECTION DC - 1815 MHz 1930 - 1990 Mhz 1990 - 27100 MHz	 60 dB MIN 60 dB MIN 75 dB MIN
POWER HANDLING[1] CW PEAK MULTI CARRIER[2]	 100 W 400 W 6 @ 10 W
OPERATING TEMP	0 TO +60°C
STORAGE TEMP	-55 TO +125°C
CONNECTORS	SMA FEMALE
SIZE	4.46 x 2.35 x 1.13" 113.3 x 59.7 x 28.8 mm

NOTES:

[1]Power handling (max watts) includes simultaneous conditions of antenna VSWR ≤ 2:1, altitude ≤10,000 feet, and case temperature of ≤+50°C.

[2]MULTIPLE CARRIER is defined as the number of carriers, *n* each at SEPARATE frequencies within the transmit passband applied simultaneously at the power level, *p* as indicated, completing the formula:

$n^2 \times p$ = Peak Power Handling.

narda
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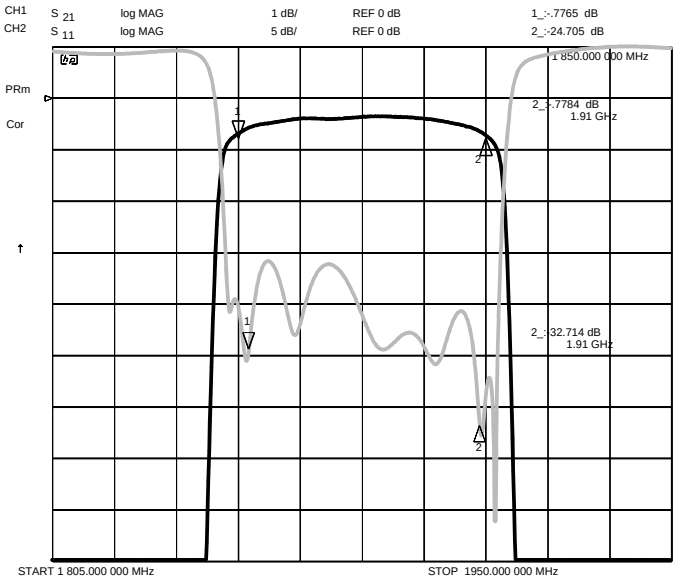
TYPICAL MEASURED DATA



OUTLINE DRAWING