

GSM-1800 Band Receive Filter

- **Passes Full GSM1800 Receive Band**
- **High Rejection at GSM1800 Tx Band**
- **Low Insertion Loss**
- **Small Footprint**
- **Excellent Temperature Stability**



DESCRIPTION

Narda West's GSM1800 Band Receive Filter provides highly selective receive channel filtering. It is designed to pass the full GSM1800 receive band of 1710 to 1785 MHz while providing more than 60 dB rejection over the 1805 to 1880 transmit band. Out-of-band rejection is greater

than 55 dB from 1880 to 4000 MHz. In addition, the device provides more than 60 dB rejection from DC to 1680 MHz. The units have 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.

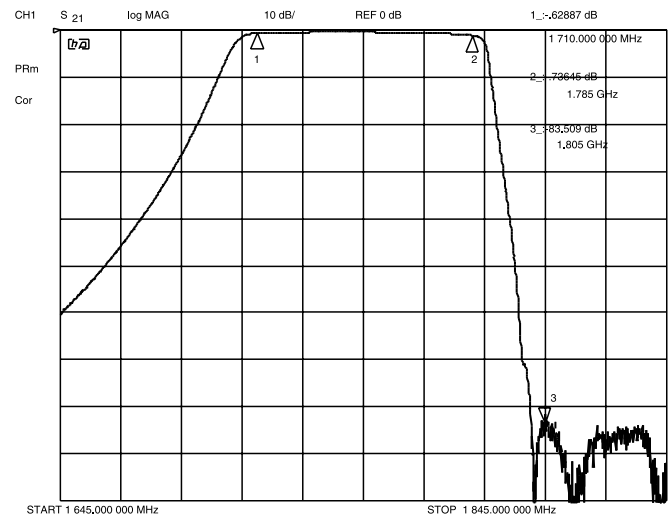
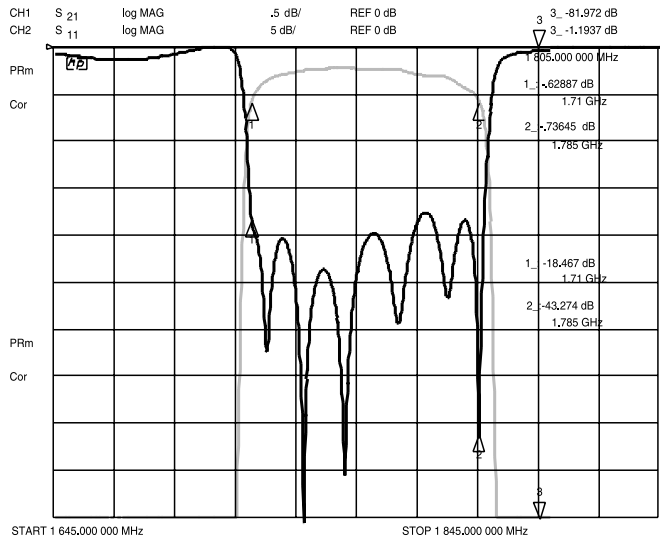
SPECIFICATIONS

MODEL NUMBER	DFB-01A-1717-01
PASSBAND	1710 - 1785 MHz
PASSBAND INSERTION LOSS	1.0 dB MAX
PASSBAND LOSS VARIATION	0.6 dB MAX
PASSBAND RETURN LOSS	14 dB MIN
REJECTION	
DC - 1680 MHZ	60 dB MIN
1805 - 1880 MHZ	60 dB MIN
1880 - 4000 MHZ	55 dB MIN
POWER HANDLING ¹ CW	100 W
OPERATING TEMP	0 TO +65°C
STORAGE TEMP	-20 TO +85°C
CONNECTORS	SMA FEMALE
SIZE	4.46" x 2.35" x 1.13" 113.3 x 59.7 x 28.8 mm

NOTE:

¹Power handling (max watts) includes simultaneous conditions of antenna VSWR $\leq 2:1$, altitude $\leq 10,000$ feet, and case temperature of $\leq +50^{\circ}\text{C}$.

TYPICAL MEASURED DATA



OUTLINE DRAWING

