



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

3475-4175 MHz Cavity Bandpass Filter

Part Number: AB3825B1064



Electrical specifications

Passband: 3475-4175MHz
Passband Insertion Loss: ≤ 4.0 dB
Passband Ripple: ≤ 0.5 dB
Passband Return Loss: ≥ 14 dB
Passband Group Delay ripple: ≤ 30 nsec
Rejection 1: ≥ 4 dB@3457.5MHz,4192.5MHz
Rejection 2: ≥ 24 dB@3422.5MHz,4227.5MHz
Rejection 3: ≥ 45 dB@3387.5MHz,4262.5MHz
Rejection 4: ≥ 60 dB@3352.5MHz,4297.5MHz
Rejection 5: ≥ 70 dB@3317.5MHz,4332.5MHz
Rejection 6: ≥ 75 dB@3282.5MHz,4367.5MHz
Rejection 7: ≥ 77 dB@3247.5MHz,4402.5MHz
Rejection 8: ≥ 78 dB@3212.5MHz,4437.5MHz
Rejection 9: ≥ 80 dB@3177.5MHz,4472.5MHz
Rejection 10: ≥ 85 dB@3142.5MHz,4507.5MHz
Rejection 11: ≥ 40 dB@1000-3000MHz
Rejection 12: ≥ 40 dB@4800-10000MHz
Rejection 13: ≥ 30 dB@10000-16000MHz
Power Handling: 1W(CW)
Input / Output Impedance: 50 Ohms

Mechanical

Connector Type: SMA (F)
Dimensions: 8.51 x .79 x .47 inches

Environmental

Operating Temperature: +15 to +30 deg. C
Storage temperature: -65 to +95 deg.C
Shock: 20 G's, 1/2 sine, 11ms
Vibration: 10 G's, 10-2000Hz
Relative Humidity: 0-95%

Outline Drawing:

