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Test

## Cavity Band Pass Filter OBP-1715-160

Ocean Microwave band-pass filter (Ocean band-pass filter ,, abbreviation : abbreviation : OBP) is a filter that allows waves of specific frequency band to pass through while rejecting other frequency bands.

The product name of this Ocean band-pass filter (OBP) is OBP-1715-160, its Center Frequency(F0) is 1715MHz, its Pass Band Bandwidth is 1635 ~ 1795MHz, its Pass Band Insertion Loss is  $\leq$ 1.0dB, and its Pass Band VSWR is  $\leq$ 1.3:1. Its Stop Band frequency is DC ~ 1530MHz & 1900 ~ 3000MHz. The Stop Band Rejection is:  $\geq$ 30dB

## Electrical Specifications

Center Frequency (F0)	1.715GHz
Pass Band Frequency	0.16GHz (1.635 ~ 1.795GHz)
Pass Band Insertion Loss	≤1.0dB
Pass Band Flatness	≤0.8dB
Pass Band VSWR	≤1.3:1
Stop Band Re jection	≥30dB @ DC ~ 1.53GHz ≥30dB @ 1.9 ~ 3.0GHz
Impedance	50 ohms
Power Handling	≤5W
Connectors	SMA-Female
Surface Finish	Black Paint
Temperature Range	-30 °C ~ +70 °C
Net Weight	0.09 KG

Trace 3

0.17

-0.37

-0.57

-0.77

-0.97

-1.17

-1.37

-1.57

-1.77

-1.97 -2.17 SWR 0.100U/ 1.00U

Ch1: Start 1.46500 GHz

## PRODUCT DIMENSIONS

Marker 1 1.7150000000 GHz

5

Stop 1.96500 GHz

Tr 2 S21 LogM 10.00dB/ 0.00 Tr 4 S22 SWR 0.100U/ 1.00U

3

1.06 1.16

0.56 dB

1.21 dB 3.04 dB

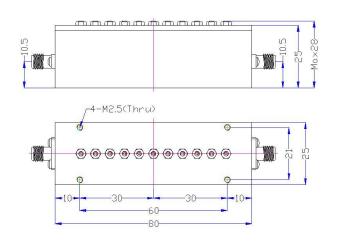
> 1.12 1.06 1.14

1.715 1.635 1.795

1.900 GHz

1.795

5



Save

A4919.1.csa

Save As

Save Data As

Auto Save

Manage Files.

Delete Files

User Preset...

Transform

EC MICROWAVE The door to the RF world

Product Datasheet Product ID:OBP-1715-160