

Cavity Band Pass Filter

OBP-39500-5000

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.

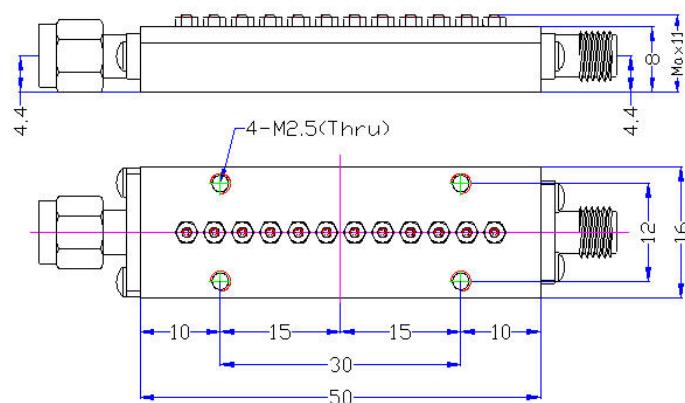
The product name of this Ocean band-pass filter (OBP) is OBP-39500-5000, its Center Frequency(F0) is 39.5GHz, its Pass Band Bandwidth is 37 ~ 42GHz, its Pass Band Insertion Loss is ≤ 1.8 dB, and its Pass Band VSWR is $\leq 1.3:1$. Its Stop Band frequency is DC ~ 35.4GHz, 43.6 ~ 50GHz.



Electrical Specifications

Center Frequency (F0)	39.5GHz
Pass Band Frequency	37 ~ 42GHz
Pass Band Insertion Loss	≤ 1.8 dB
Pass Band VSWR	$\leq 1.5:1$
Stop Band Rejection	≥ 60 dB @ DC ~ 35.4GHz ≥ 55 dB @ 43.6 ~ 50GHz
Impedance	50 ohms
Power Handling	≤ 5 W
Connectors	Input: 2.92mm(K)-Male Output: 2.92mm(K)- Female
Surface Finish	Black Paint
Temperature Range	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Net Weight	0.05 KG

PRODUCT DIMENSIONS



Test

