

# Band Pass Filter

## OBP-410000-7000

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-410000-7000, its Center Frequency(F0) is 41GHz , its Pass Band Bandwidth is 37.5 ~ 44.5GHz, its PassBand Insertion Loss is  $\leq 1.1\text{dB}$ . Its Stop Bandfrequency is  $\geq 80\text{dB @ DC} \sim 35.3\text{GHz} \geq 80\text{dB @ } 47.5 \sim 58.5\text{GHz}$  .



### Electrical Specifications

Item	Parameters
Center Frequency(F0)	41GHz
Pass Band Frequency	37.5 ~ 44.5GHz
Pass Band Insertion Loss	$\leq 1.1\text{dB}$
Pass Band Ripple	$\leq 0.37\text{dB}$
Pass Band Return Loss	$\geq 18\text{dB}$
Stop Band Rejection	$\geq 80\text{dB @ DC} \sim 35.3\text{GHz}$ $\geq 80\text{dB @ } 47.5 \sim 58.5\text{GHz}$
Impedance	50 Ohms
Power Handling	5W Max.
Connectors	2.4mm-Female
Surface Finish	Painted Black
Temperature Range	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Material	Housing: H62 Copper alloy    Connectors: Stainless Steel Cover: H62 Copper alloy    Other screw: Stainless Steel Tuning screw: H62 Copper alloy
Dimensions	60*16*8mm
Net weight	0.06 KG

### PRODUCT DIMENSIONS

