

# Band Pass Filter

## OBP-370500-1000

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-370500-1000, its Center Frequency(F0) is 37.075GHz , its Pass Band Bandwidth is 1.0GHz (36.575 ~ 37.575GHz), its Pass Band Insertion Loss is  $\leq 1.8\text{dB}$  and its Pass Band VSWR is  $\leq 1.3:1$ . Its Stop Band frequency is  $\geq 65\text{dB @ DC} \sim 35.575\text{GHz}$   $\geq 65\text{dB @ } 38.575 \sim 60\text{GHz}$ .



### Electrical Specifications

Item	Parameters
Center Frequency(F0)	37.075GHz
Pass Band Bandwidth	1.0GHz (36.575 ~ 37.575GHz)
Pass Band Insertion Loss	$\leq 1.8\text{dB}$
Pass Band Ripple	$\leq 0.4\text{dB}$
Pass Band VSWR	$\leq 1.3:1$
Stop Band Rejection	$\geq 65\text{dB @ DC} \sim 35.575\text{GHz}$ $\geq 65\text{dB @ } 38.575 \sim 60\text{GHz}$
Impedance	50 Ohms
Power Handling	5W Max.
Connectors	2.92mm(K)-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	50*16*7.5mm
Net weight	0.045 KG

### PRODUCT DIMENSIONS

