

# Band Pass Filter

## OBP-31700-40

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

The product name of this Ocean band-pass filter (OBP) is OBP-31700-40 ,its Center Frequency(F0) is 31.7GHz, its Pass Band Bandwidth is0.04GHz (31.68 ~ 31.72GHz) its Pass Band Insertion Loss is $\leq 5.0\text{dB} \geq 15\text{dB}$ , and its PassBand

VSWRis. Its Stop Band frequency is $\geq 20\text{dB} @ 0 \sim 31.6\text{GHz}$

$\geq 20\text{dB} @ 31.8 \sim 41\text{GHz}$



### Electrical Specifications

Parameters	
Center Frequency(F0)	31700MHz
Pass Band Bandwidth	40MHz (31680~31720MHz)
Pass Band Insertion Loss	$\leq 5.0\text{dB}$
Pass Band Return Loss	$\geq 15\text{dB}$
Stop Band Attenuation	$\geq 20\text{dB} @ 0 \sim 31600\text{MHz}$ $\geq 20\text{dB} @ 31800 \sim 41000\text{MHz}$
Impedance	50 ohms
Power Handling	$\leq 5\text{W}$
Connectors	2.92mm(K)-Female
Temperature Range	+20°C ~+55°C
Surface Finish	Black Paint
Material	Housing: H62 Copper alloy Cover: H62 Copper alloy Tuning screw: H62 Copper alloy Connectors: Stainless Steel Other screw: Stainless Steel
Net weight	0.05 KG
Configuration	As Below (Size Unit: mm)

### PRODUCT DIMENSIONS

