

# Band Pass Filter

## OBP-32100-600

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-32100-600 , its Center Frequency(F0) is 32.1GHz, its Pass Band Bandwidth is0.6GHz (31800 ~ 32400MHz) its Pass Band Insertion Loss is $\leq 2.0\text{dB}$  @ 32.1GHz

$\leq 2.8\text{dB}$  @ 31.8GHz ~ 32.4GHz, and itsPassBand VSWRis. Its Stop Band frequency is $\geq 25\text{dB}$  @ 0 ~ 31600MHz

$\geq 25\text{dB}$  @ 32600 ~ 45000MHz



### Electrical Specifications

Parameters	
Center Frequency(F0)	32100MHz
Pass Band Bandwidth	600MHz (31800~32400MHz)
Pass Band Insertion Loss	$\leq 2.0\text{dB}$ @ 32100MHz $\leq 2.8\text{dB}$ @ 31800~32400MHz
Pass Band Amplitude flatness	$\leq 1.0\text{dB}$
Pass Band Return Loss	$\geq 15\text{dB}$
Group Delay Variation	$\leq 0.3\text{ns}$ @ peak-peak within any 10MHz interval , in the range of 31800~31900MHz and 32300~32400MHz. $\leq 0.12\text{ns}$ @ peak-peak within any 10MHz interval , in the range of 31900~32300MHz.
Stop Band Attenuation	$\geq 25\text{dB}$ @ 0~31600MHz $\geq 25\text{dB}$ @ 32600~45000MHz
Impedance	50 ohms
Power Handling	$\leq 5\text{W}$
Connectors	2.92mm(K)-Female
Temperature Range	-10°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	0.055 KG
Configuration	As Below (Size Unit: mm)

### PRODUCT DIMENSIONS

