

# Band Pass Filter

## OBP-18050-4100

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-18050-4100 ,its Center Frequency(F0) is 18.05GHz, its Pass Band Bandwidth is16 ~ 20.1GHz its Pass Band Insertion Loss is $\leq 1.1$ dB, and its Pass Band

VSWR is $\leq 1.3:1$ . Its Stop Band frequency is $\geq 45$ dB @ DC ~ 15.65GHz  $\geq 10$ dB @ 15.65 ~ 15.85GHz $\geq 10$ dB @ 20.25 ~ 20.45GHz  $\geq 45$ dB @ 20.45 ~ 34.5GHz



### Electrical Specifications

Item	Parameters
Center Frequency(F0)	18050MHz
Pass Band Frequency	16000 ~ 20100MHz
Pass Band Insertion Loss	$\leq 1.1$ dB
Pass Band Ripple	$\leq 0.4$ dB @ 16200 ~ 19900MHz $\leq 0.75$ dB @ 16000 ~ 20100MHz
Pass Band VSWR	$\leq 1.3:1$
Stop Band Rejection	$\geq 45$ dB @ DC ~ 15650MHz $\geq 10$ dB @ 20250 ~ 20450MHz $\geq 10$ dB @ 15650 ~ 15850MHz $\geq 45$ dB @ 20450 ~ 34500MHz
Impedance	50 Ohms
Power	5.0W Max.
Connectors	SMA- Female
Surface Finish	Painted Black
Temperature Range	-30°C ~ +70°C
Material	Housing: H62 Copper alloy      Connectors: Stainless Steel Cover: H62 Copper alloy      Other screw: Stainless Steel Tuning screw: H62 Copper alloy
Dimensions	120*16*9.5mm
Net weight	0.122 KG

### PRODUCT DIMENSIONS

