

# Band Pass Filter OBP-285000-3020

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-285000-3020 ,its Center Frequency(F0) is 28.5GHz , its Pass Band Bandwidth is 126.99 ~ 30.01GHz , its Pass Band Insertion Loss is  $\leq 1.0$ dB, and its Pass Band VSWR is  $\leq 1.28:1$  . Its Stop Band frequency is  $\geq 40$ dB @ DC ~ 26GHz  $\geq 40$ dB @ 31 ~ 52GHz.



## Electrical Specifications

Item	Parameters
Center Frequency(F0)	28.5GHz
Pass Band Frequency	26.99 ~ 30.01GHz
Pass Band Insertion Loss	$\leq 1.0$ dB
Pass Band Ripple	$\leq 0.4$ dB
Pass Band VSWR	$\leq 1.28:1$
Stop Band Attenuation	$\geq 40$ dB @ DC ~ 26GHz $\geq 40$ dB @ 31 ~ 52GHz
Impedance	50 Ohms
Power Handling	5W Max.
Connectors	2.92mm(K)-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	40*16*8.5mm
Net weight	0.041 KG

## PRODUCT DIMENSIONS

