

Band Pass Filter

OBP-280000-3000

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-280000-3000 ,its Center Frequency(F0) is 28GHz, its Pass Band Bandwidth is 26.5 ~ 29.5GHz, its Pass Band Insertion Loss is $\leq 0.9\text{dB}$, and the Stop Band frequency is $\geq 75\text{dB @ DC} \sim 24\text{GHz}$ $\geq 65\text{dB @ } 32 \sim 48\text{GHz}$.



Electrical Specifications

Item	Parameters
Center Frequency(F0)	28GHz
Pass Band Frequency	26.5 ~ 29.5GHz
Pass Band Insertion Loss	$\leq 0.9\text{dB}$
Pass Band Ripple	$\leq 0.35\text{dB}$
Pass Band Return Loss	$\geq 18\text{dB}$
Stop Band Rejection	$\geq 75\text{dB @ DC} \sim 24\text{GHz}$ $\geq 65\text{dB @ } 32 \sim 48\text{GHz}$
Impedance	50 Ohms
Power Handling	5.0W 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	45*16*8.5mm
Net weight	0.045 KG

PRODUCT DIMENSIONS

