

Band Pass Filter

OBP-410000-4000

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-410000-4000 ,its Center Frequency(F0) is 41GHz, its Pass Band Bandwidth is 4.0GHz (39~43GHz), its Pass Band Insertion Loss is $\leq 1.0\text{dB}$, Pass Band VSWRand the Stop Band frequency is $\geq 60\text{dB}$ @DC~37GHz $\geq 55\text{dB}$ @45~60GHz



Electrical Specifications

Item	Parameters
Center Frequency(F0)	41GHz
0.3dB Pass Band Bandwidth	4.0GHz (39 ~ 43GHz)
Pass Band Insertion Loss	$\leq 1.0\text{dB}$
Pass Band Ripple	$\leq 0.3\text{dB}$
Pass Band Return Loss	$\geq 18\text{dB}$
Stop Band Rejection	$\geq 60\text{dB}$ @ DC ~ 37GHz $\geq 55\text{dB}$ @ 45 ~ 60GHz
Impedance	50 Ohms
Power Handling	5W Max.
Connectors	2.4mm-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*8mm
Net weight	0.04 KG

PRODUCT DIMENSIONS

