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## **Product Datasheet** Product ID:0BP-410000-7000

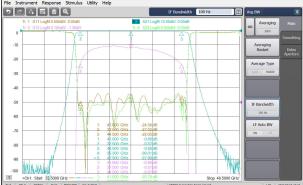
## **Band Pass Filter** OBP-410000-7000

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.

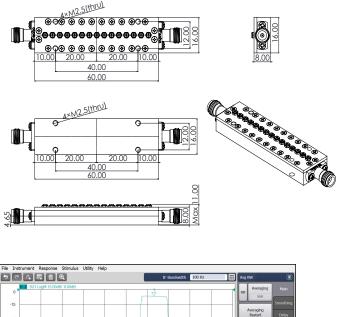
The product name of this Ocean band-pass filter (OBP) is OBP-410000-7000, its Center Frequency(F0) is 41GHz, its Pass Band Bandwidth is 37.5 ~ 44.5GHz, its PassBand Insertion Loss is ≤1.1dB. Its Stop Bandfrequency is ≥80dB @ DC ~ 35.3GHz ≥80dB @ 47.5 ~ 58.5GHz .

## **Electrical Specifications**

Item	Parameters	
Center Frequency(F0)	41GHz	
Pass Band Frequency	37.5 ~ 44.5GHz	
Pass Band Insertion Loss	≤1.1dB	
Pass Band Ripple	≤0.37dB	
Pass Band Return Loss	≥18dB	
Stop Band Rejection	≥80dB @ DC ~ 35.3GHz	≥80dB @ 47.5 ~ 58.5GHz
Impedance	50 Ohms	
Power Handling	5W Max.	
Connectors	2.4mm-Female	
Surface Finish	Painted Black	
Temperature Range	$-30^{\circ}C \sim +70^{\circ}C$	
Material	Housing: H62 Copper alloy	Connectors: Stainless Steel
	Cover: H62 Copper alloy	Other screw: Stainless Steel
	Tuning screw: H62 Copper alloy	
Dimensions	60*16*8mm	
Net weight	0.06 KG	



## **PRODUCT DIMENSIONS**







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