

# Cavity Band Pass Filter

## OBP-345500-200

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-345500-200, its Center Frequency(F0) is 34.55GHz , its Pass Band Bandwidth is<200MHz (<34.45 ~ 34.65GHz), itsPass Band Insertion Loss is ≤3.0dB. Its StopBand frequency is ≥50dB @ F0±500MHz (DC ~ 34.05GHz , 35.05 ~ 52GHz).

### Electrical Specifications

Item	Parameters
Center Frequency(F0)	34.55GHz
3.0dB Bandwidth	<200MHz (<34.45 ~ 34.65GHz)
Pass Band Bandwidth	100MHz (34.5 ~ 34.6GHz)
Pass Band Insertion Loss	≤3.0dB
Pass Band Ripple	≤0.6dB
Pass Band Return Loss	≥18dB
Stop Band Attenuation	≥50dB @ F0±500MHz (DC ~ 34.05GHz , 35.05 ~ 52GHz)
Impedance	50 Ohms
Power Handling	5W Max.
Connectors	2.92mm(K)-Female
Surface Finish	Painted Black
Temperature Range	+10°C ~ +30°C
Material	Housing: H62 Copper alloy Cover: H62 Copper alloy Tuning screw: H62 Copper alloy
	Connectors: Stainless Steel Other screw: Stainless Steel
Dimensions	40*16*8mm
Net weight	0.04 KG

### PRODUCT DIMENSIONS

