

# Cavity Band Pass Filter

## OBP-2856-50

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.

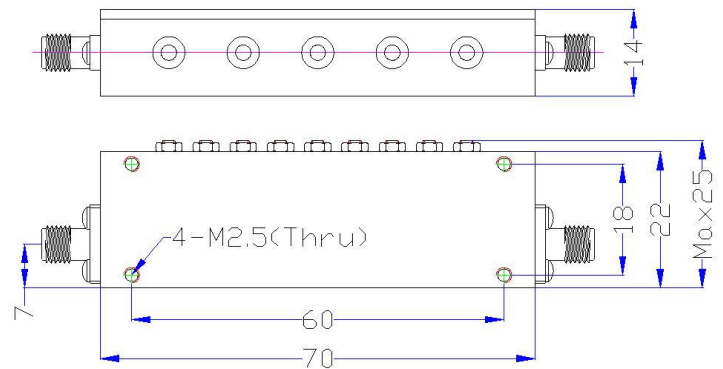
The product name of this Ocean band-pass filter (OBP) is OBP-2856-50, its Center Frequency(F0) is 2856MHz, its Pass Band Bandwidth is 2831 ~ 2881MHz, its Pass Band Insertion Loss is  $\leq 2.0\text{dB}$ , and its Pass Band VSWR is  $\leq 1.2:1$ . Its Stop Band frequency is DC ~ 2631MHz & 3081 ~ 6000MHz. The Stop Band Rejection is:  $\geq 40\text{dB}$



### Electrical Specifications

Center Frequency (F0)	2856MHz
Pass Band Frequency	50MHz (2831 ~ 2881MHz)
Pass Band Insertion Loss	$\leq 2.0\text{dB}$
Pass Band VSWR	$\leq 1.2:1$
Pass Band Delay	$\leq 20\text{ns}$
Stop Band Rejection	$\geq 40\text{dB}$ @ F0 $\pm 125\text{MHz}$ (2731MHz、2981MHz) $\geq 60\text{dB}$ @ F0 $\pm 225\text{MHz}$ (DC ~ 2631MHz、3081 ~ 6000MHz)
Impedance	50 ohms
Power Handling	$\leq 5\text{W}$
Connectors	SMA-Female
Surface Finish	Black Paint
Temperature Range	-20 °C ~ +60 °C
Net Weight	0.045 KG

### PRODUCT DIMENSIONS



### Test

