

### Feature

Passive lumped components design  
Chebyshev response  
1W CW power handling  
Parasitic is far away from pass bands

### Environmental Specification

Shock	30G
Vibration	20G
Storage conditions	0-40°C, 40% humidity

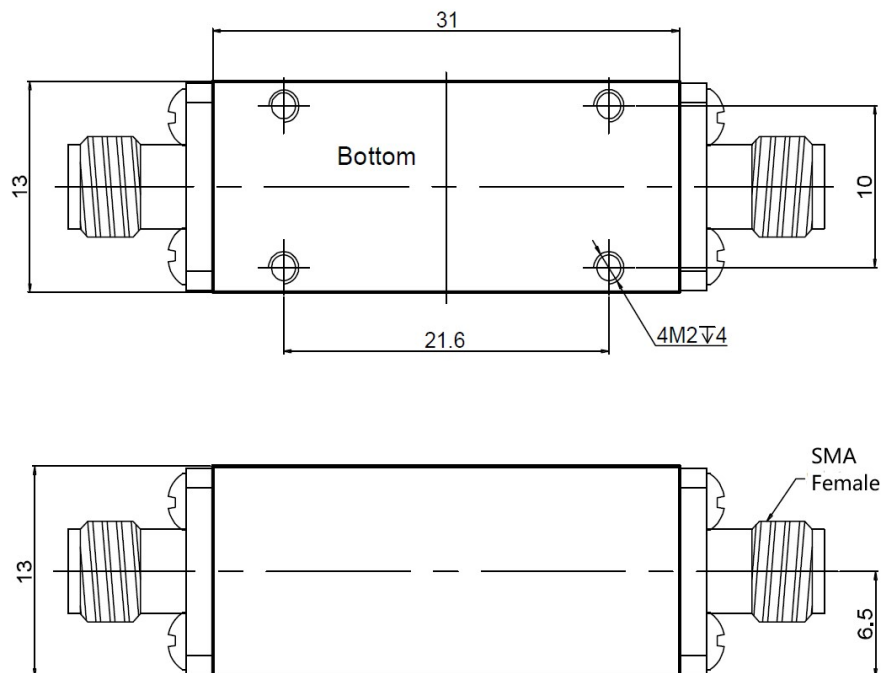
### Electrical Specifications ( $Z_0=50\Omega$ , $-55^\circ\text{C} \leq T_A \leq +85^\circ\text{C}$ , $P_{in}=-10\text{dBm}$ )

Parameter	Specification		
	Min.	Typ.	Max.
Center Frequency ( $f_0$ )	-	300MHz	-
1dB Bandwidth	10MHz	18.4MHz	-
Insertion Loss at $f_0$	-	3.15dB	4.5dB
VSWR @ $f_0 \pm 5\text{MHz}$	-	1.25	1.5
Rejections	246MHz	60dBc	68.5dBc
	330MHz	60dBc	66.1dBc

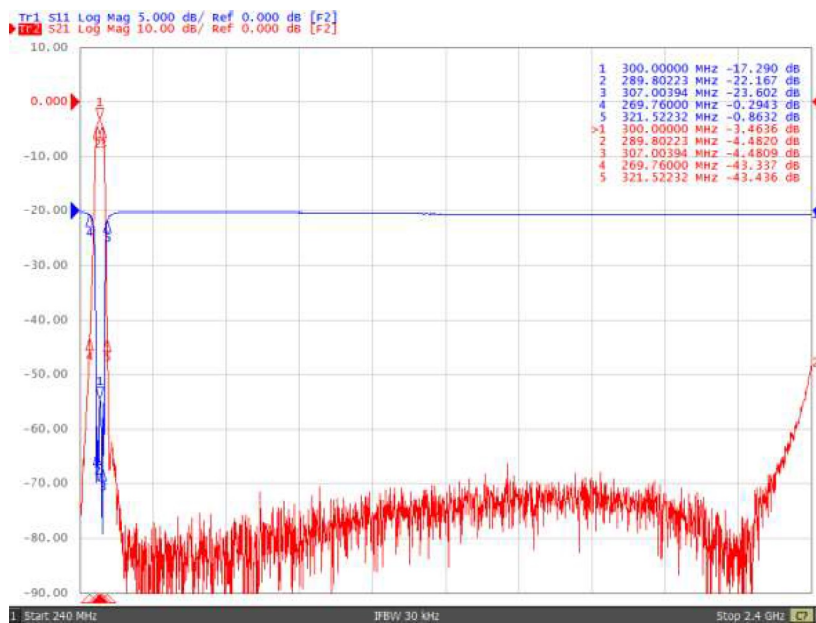
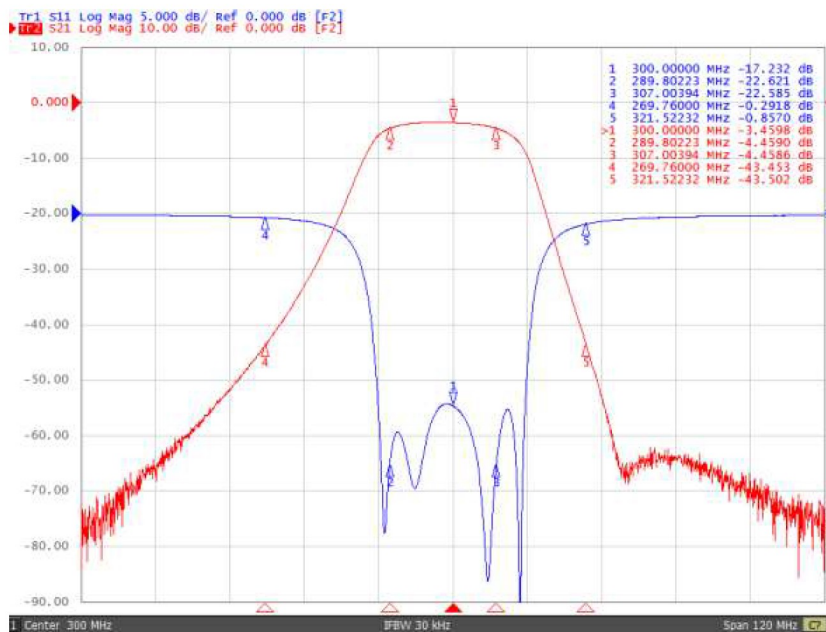
S2P file name: 5MBE-300U10-C3.s2p

### Outline Drawing

(Unit: mm)



## Typical Test Curves



## Application Instructions

1. The device temperature can't exceed 215°C during assembling and soldering.
2. Don't wash the device with solution..