

# QWBF-3800-4200-45

## 3.8~4.2GHz, 45dB, C-Band

- |                           |                           |
|---------------------------|---------------------------|
| <b>Features:</b>          | <b>Applications:</b>      |
| * High Stopband Rejection | * Telecommunication       |
| * Small Size              | * Laboratory Test         |
| * Light Weight            | * Receivers               |
| * Anti 5G Interference    | * Satellite Earth Station |

### Electrical

Input RF Frequency:	3.8~4.2GHz
Passband Insertion Loss:	0.3dB max.
Edge Frequency Insertion Loss:	0.5dB max.
VSWR:	1.35 max.
Stopband Attenuation:	-60dB@3.5GHz
	-65dB@3.6GHz
	-60dB@3.7GHz
	-45dB@4.3GHz
	-65dB@4.5~4.9GHz
Impedance:	50Ω

### Environmental

Operating Temperature:	-40~+60°C
Non-Operating Temperature:	-40~+80°C

### How To Order

#### QWBF-3700-4200-45-X-Y-Z

- X : Connector type  
 Y : Material  
 Z : Flange type

Connector naming rules:  
 229 - WR-229

Material naming rules:  
 A - Aluminium

Flange naming rules:  
 2 - FDP  
 4 - FDM

Examples:  
 To order a Waveguide Band Pass Filter, 3.8~4.2GHz, 45dB, WR-229, Aluminium, FDM40 to FDP40, specify QWBF-3800-4200-45-229-A-4-2.

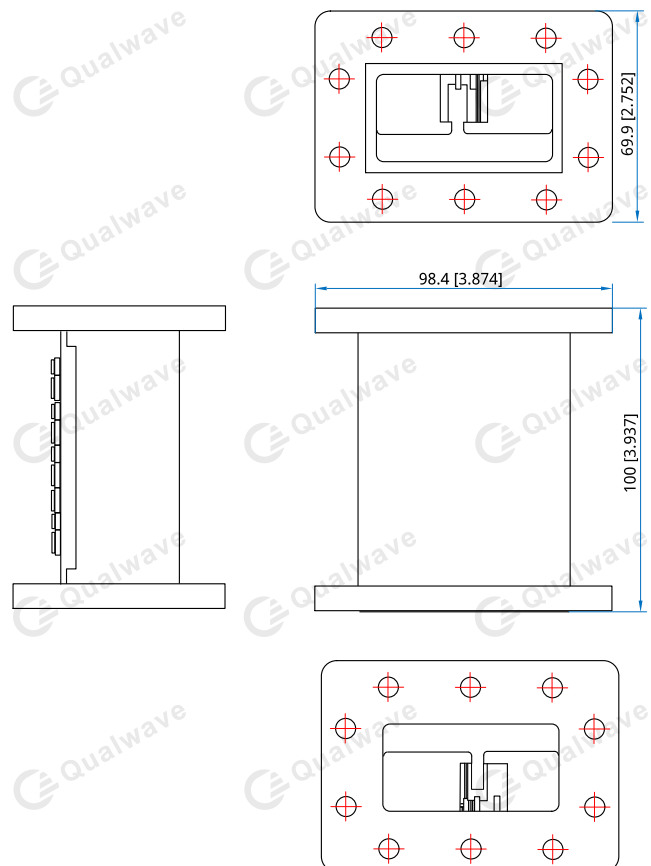
Customization is available upon request.

### Mechanical

Size*1:	100*98.4*69.9mm 3.937*3.874*2.752in
Input Waveguide:	WR-229 (BJ40) with FDM40 (CPR229-G),
Output Waveguide:	WR-229 (BJ40) with FDP40 (CPR229-F)
Weight:	680g

[1] Exclude connectors.

### Outline Drawings



Unit: mm [in]  
 Tolerance: ±0.5mm [±0.02in]