



### Overview

NIC introduces a 10450 MHz Cavity Bandpass filter used in C-band applications. This filter offers low Insertion loss and high selectivity. Custom designs are available up to Ku band.

### Features

- Low Insertion loss
- High Selectivity
- Competitive Pricing & Fast Delivery
- Prototypes available for Immediate Delivery



Scan QR code to visit our website and view our cavity filter capabilities



## 10450 MHz Cavity Bandpass Filter

### Example Specification:

| Parameter                   | Specification   |
|-----------------------------|---|
| Center Frequency (CF)       | 10450 MHz   |
| Passband                    | 10200 – 10700 MHz   |
| Insertion Loss              | <1.6dB over the passband  |
| Insertion Loss variation    | <0.75dB over the passband   |
| Rejection                   | 60dB min @ DC-10000 MHz<br>50dB min @ 10100 MHz<br>30dB min @ 10900 MHz |
| VSWR @ 10200 – 10700 MHz    | 1.5:1   |
| Impedance (Input / Output)  | 50 Ohms   |
| Connectors (Input / Output) | SMA(F) – SMA (M)  |
| Finish                      | Black paint   |
| Mechanical Size             | 4.0 x 1.50 x 0.75 inches + Connectors                                   |

### Channel 1 Response:

