



## Overview

NIC introduces a high performance Cavity filter for LTE base station applications.

This Cavity filter operates in the downlink section of band 12 and is capable of handling high power while providing high rejection in adjacent LTE bands to reduce interference. Custom designs and different package configurations are available upon request

## Features

- Low Insertion loss & high selectivity
- Competitive Pricing
- Prototypes available for Immediate Delivery



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



## 744.5 MHz Cavity filter

### Electrical Specification:

Parameter	Specification
Frequency Range	730-759 MHz
Center Frequency	744.5 MHz
Bandwidth	29MHz ( $\pm 14.5$ MHz, 730-759MHz)
Insertion Loss	0.8dB Max. (Include Ripple)
Return Loss	20dB Min.
Attenuation	65dB Min. @ 701-716MHz 65dB Min. @ 776-788MHz
Power Handling (CW)	150W Avg.
In/Out Impedance	50ohm
Operating Temperature Range	-5 to +60 <sup>0</sup> C
In/Out Connectors	7/16 DIN-F or N-Female
Dimension	176.0 x 88.0 x 62.0mm

### Response Plot

