

DATA SHEET

# 5 GHz Dielectric Cavity

## Applications

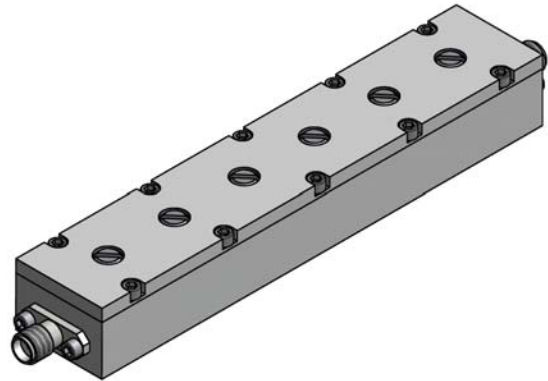
- 5 GHz WiFi
- LTE-U, LTE-LAA
- Pico Cells

## Features

- Narrowband
- High selectivity
- Low loss

## Description

Trans-Tech, Inc. (TTI) announces a new series of high-frequency bandpass filters designed with temperature-stable, high-Q<sub>u</sub> dielectric resonators. This series can be supplied in less than 1% bandwidth with low loss, from 5.1 GHz to 5.9 GHz. The example shown here is a 6-pole, 5670 MHz design with 33 MHz pass bandwidth. Stopband exceeds 60 dB to 6.5 GHz. Figure 1 shows the package dimensions. Figure 2 shows a plot of typical performance data.



Trans-Tech 5 GHz Bandpass Filter

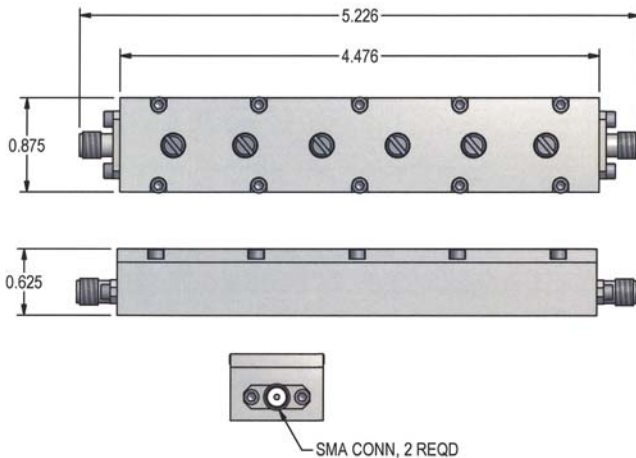


Figure 1. Package Dimensions (inches)

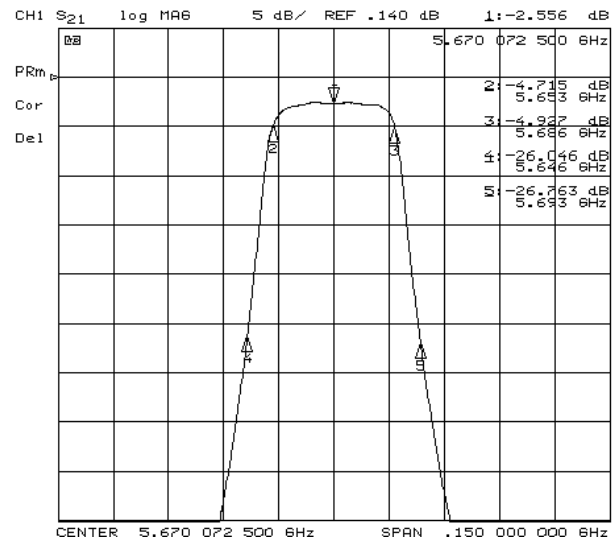


Figure 2. Typical Performance Data

For more information, refer to the TTI web site for a listing of our worldwide network of sales representatives.

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