

**DATA SHEET**

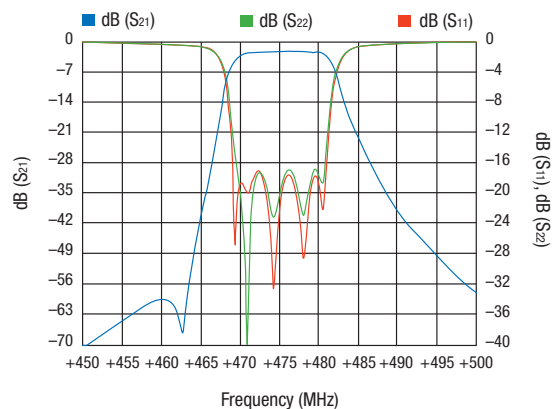
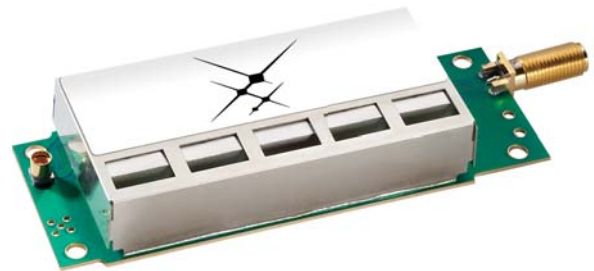
# 12 mm and 20 mm High-Power Ceramic Filters

## Applications

- Electronic warfare
- Power amps
- Portable transceivers for both military and homeland security radio communications

## Features

- Low insertion loss
- SMT or connectorized (as shown) designs
- Frequency range from UHF to 2.0 GHz
- Superior power handling, with up to 100 W Continuous Wave (CW)
- Wide operating temperature range
- Lightweight
- Smaller profile compared to a typical cavity design
- Easy drop-in solution
- Quick turnaround on new designs
- Reconfigurable for many different connector types
- RoHS-compliant
- Available in various frequencies (contact us for more information)



**Figure 1. 12 mm UHF High Power Ceramic Filter**

## Description

Skyworks, through its wholly owned subsidiary, Trans-Tech, offers a family of high-power filters that are available in both connectorized and surface-mount technology (SMT) designs. We can design and manufacture filters from UHF up to 2.0 GHz, which require higher power handling and can see up to 100 W, CW. We offer rapid response times on all filter design requirements.

These high-power ceramic filter designs are available in lighter weight, reduced X Y dimensions, and lower profile solutions to meet customer requirements. These ceramic filter solutions allow design flexibility beyond traditional cavity styles.

**DATA SHEET • 12 MM AND 20 MM HIGH-POWER CERAMIC FILTERS**

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