

DATA SHEET

# 915 MHz Ceramic Band-Pass Filter

## Applications

- Cellular
- RFID
- Datacom/Telemetry
- SMT
- AMR

## Features

- Temperature-stable ceramic
- PW handling up to \*2 W CW
- Surface-mount technology (SMT) or connectorized

## Benefits

- Light weight
- Package dimensions: 0.531 x 0.260 x 0.158 inch
- Superior performance

## Description

Skyworks, through its wholly owned subsidiary, Trans-Tech, offers the 915 MHz Ceramic Band-Pass Filter, which can be customized to your specific needs in either a connectorized or SMT option.

Table 1 lists the electrical specifications of the 915 MHz Ceramic Band-Pass Filter. Table 2 shows the RoHS compliance specifications. Figure 1 shows the package dimensions. Figure 2 shows the standard land pattern.

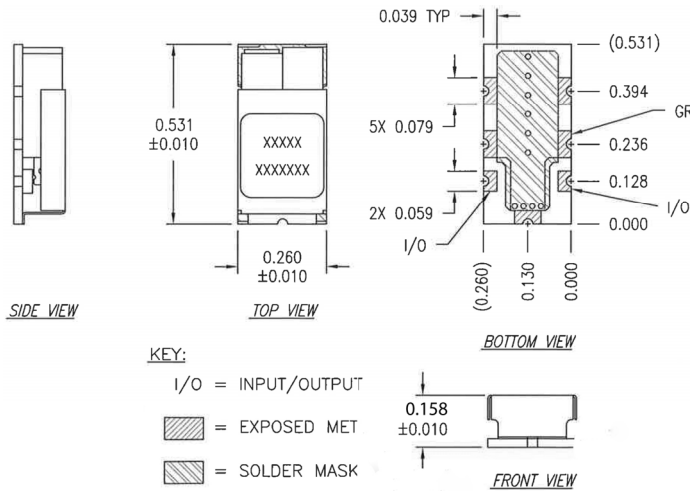
**Table 1. Electrical Specifications**

Requirement	Performance Specification
Center frequency (Fo)	915 MHz
Poles	2
Bandwidth (BW)	26 MHz min
Insertion loss @ BW	0.9 dB max
Ripple @ BW	0.5 dB
VSWR @ BW	2.0 max
Input power	1.0 W max
Passband return loss	10 dB min
Attenuation	24 dB @ 850 MHz 15 dB @ 1800 to 1900 MHz
Power rating	+33 dBm
Impedance	50 Ω

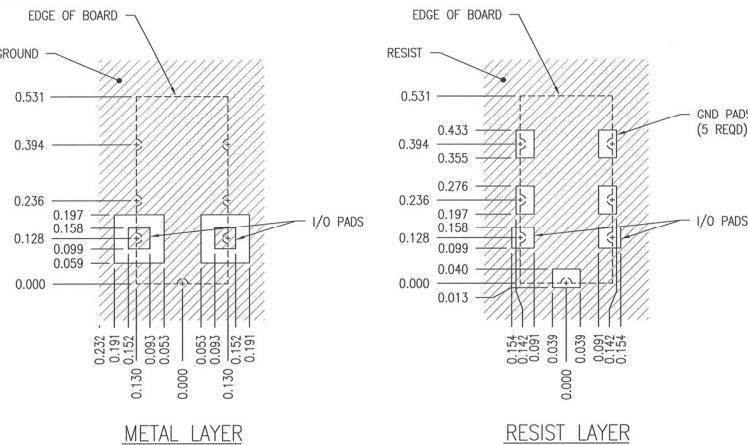
**Table 2. RoHS Compliance Specifications**

Reflow Profile Feature	RoHS Compliant, Lead (Pb)-Free
Solder reflow profile (unless otherwise stated)	Reference solder paste manufacturer's recommendations and your component and design requirements
Maximum ramp-up rate	3 °C/sec
Maximum time above liquidous	90 seconds max
Maximum reflow temperature	260 °C
Maximum time above	Max time above 240 °C = 30 seconds
Maximum ramp-down rate	3 °C/sec
Termination	Au

**DATA SHEET • 915 MHz CERAMIC BAND-PASS FILTER**



**Figure 1. Band-Pass Filter Package Dimensions  
(All Dimensions Are in Inches)**



**Figure 2. Band-Pass Filter Standard Land Pattern**

**Ordering Information**

Part Order Number	Product Description	Tape and Reel Order Number
49720E	915 MHz Ceramic Band-Pass Filter	49720E-TR

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