

DATA SHEET

Multi-User Operating System Diplexer

Applications

- Military radio
- Shipboard communications
- Satcom
- Vehicle mount
- Airborne

Features

- Temperature-stable ceramic
- PW handling up to 15 W CW
- Surface-mount technology (SMT) or connectorized

Benefits

- Light weight
- Small size (1.7 x 1.1 x 0.2 inches)
- Superior performance

Description

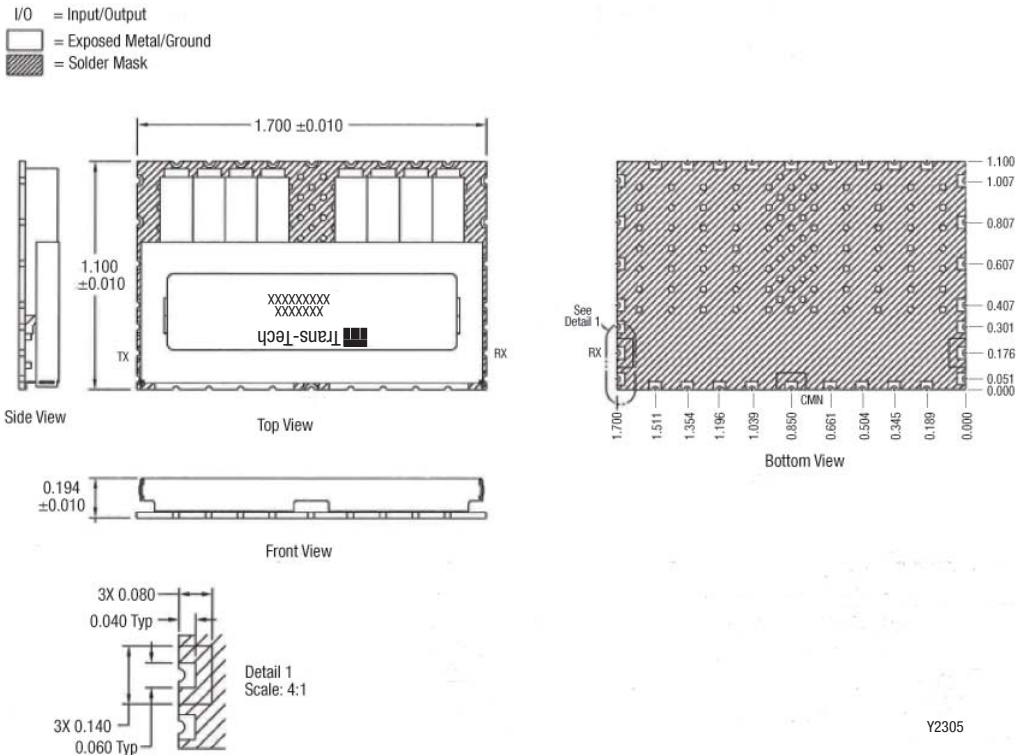
Skyworks, through its wholly owned subsidiary, Trans-Tech, offers the Multi-User Operating System Diplexer, which can be customized to your specific needs in either a connectorized or SMT option.

Table 1 lists the ceramic filter electrical specifications of the Multi-User Operating System Diplexer. Figure 1 shows the package dimensions.

Table 1. Ceramic Filter Electrical Specifications

Requirement	Trans-Tech Performance	
	Tx	Rx
Center frequency (Fo)	310 MHz	370 MHz
Poles	BPF 4	BPF 4
Bandwidth (BW)	20 MHz min.	20 MHz min.
Insertion loss @ BW	1.5 dB max.	1.5 dB max.
Passband return loss	14 dB min.	14 dB min.
Attenuation: Band isolation Tx-Rx	50 dB min.	50 dB min.
Power handling watts (CW)	15 W average	15 W average
Impedance	50 Ω	50 Ω

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Y2305

**Figure 1. Multi-User Operating System Diplexer Package Dimensions
 (All Dimensions Are in Inches)**

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