PUL 070D

70 MHz to L-Band Data Grade Up Converter (950-1450 MHz)

General Description:

The **PUL 070D** is an ultra-stable frequency converter based on Quintech's popular PDX/PUX fixed channel converters. It features highly improved phase noise and stability performance that exceeds the IESS 308/309 standard, and is suitable for all current high-speed data transmission rates and advanced digital modulation schemes. It is capable of translating digital 70 MHz IF signals to any customer-specific L-Band channel. The channel frequency can be factory preset, if desired.

Specifications:

Input Frequency:	70 MHz IF
Output Bandwidth (-3 dB):	36 MHz (24 MHz, 40 MHz, 80 MHz optional)
Input Power Level:	-50 to -20 dBm
Overall Gain (Loss):	+10 dB or -30 dB ± 2 dB
Output Frequency:	Any customer-specified L-Band channel (950-1450 MHz), inverting or non-inverting
L.O. Stability:	±1 ppm (1300 Hz @ 1.3 GHz)
Input Return Loss:	13 dB
Output Return Loss:	14 dB
Spurious:	-50 dBc
Phase Noise:	**Offset (Hz) (dBc/Hz)** 10 -64 100 -76 1,000 -81 10,000 -88 100,000 -99 1,000,000 -106
Output Connector:	Type "F", 75 Ω
Input Connector:	BNC, 75 Ω
Power Requirements:	100-240 VAC, 60/50 Hz
Operating Temperature:	+10° to +60° C
Mechanical:	1 RU (1.75" H x 19" W x 12.5" D)

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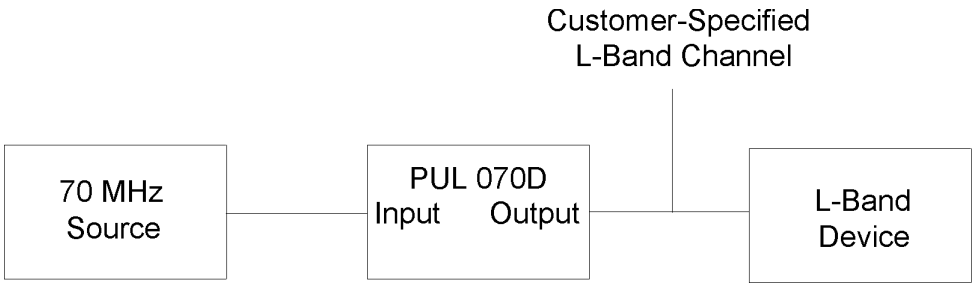
Special Instructions:

To utilize the PUL 070D, connect a 70 MHz line to the “70 MHz” connector on the rear panel of the unit. The customer-specified L-band channel will be present at the L-BAND connector, also on the rear panel. Primary power required is 100-240 VAC, 2 Amp via the IEC AC connector.

NOTE: The PUL 070D has been designed for indoor use only. Opening the unit will immediately void the warranty.



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