

PDL 140D
PDL09920140NZD000
L-Band to 140 MHz Data Grade Downconverter

General Description:

The **PDL09920140NZD000** is an ultra-stable frequency converter that translates a 992 MHz L-Band channel to a 140 MHz IF channels. Based on Quintech's PLL stabilized fixed channel frequency converters, the PDL features a stability performance that meets the IESS 308/309 standard and is suitable for current high speed data transmission rates and high order modulations.

Specifications:

Input Frequency:	992 MHz, non-inverting
Output Bandwidth (-3dB):	80 MHz
Input Power Level:	-50 to -20 dBm
Overall Gain/Loss:	0 dB \pm 2 dB
Output Frequency:	140 MHz IF
L.O. Stability:	\pm 1 ppm
Input Return Loss:	10 dB
Output Return Loss:	14 dB
Spurious:	-50 dBc
Phase Noise:	Offset (Hz) (dBc/Hz)
	10 -58
	100 -72
	1,000 -73
	10,000 -76
	100,000 -100
1,000,000 -110	
Output Connector:	BNC, 75 Ω
Input Connector:	Type F, 75 Ω
Power Requirements:	100-240 V~, 50/60 Hz
Power Consumption:	17 W
Operating Temperature:	+10° to +60° C
Mechanical:	1 RU (1.75" H x 19" W x 12.5" D)
Weight:	7.5 lbs. gross (boxed), 5.0 lbs. net



Special Instructions:

To utilize the PDL09920140NZD000, connect a customer-specified L-Band channel to the “L-BAND” connector on the rear panel of the unit. The 140 MHz output will be present at the “140 MHz” connector, also on the rear panel.

NOTE: The PDL09920140NZD000 has been designed for indoor use only. Opening the unit will immediately void the warranty.

