

RFX-DOWN CONVERTERS

5.8; 6.4; 7.1 GHz to 2 GHz



04_FEATURE HEADINGS:

FEATURES:

OPTIONS:

RF Central's 5/6/7 GHz Block Down Converter is designed to down convert digital COFDM and analog transmissions to the 2.0-2.7 GHz range. It is a single conversion BDC with low phase noise and high linearity. Its front end features an LNA and ceramic filter that delivers a 3.5db noise figure with a minimum conversion gain of 24db. DC power can be supplied locally or remotely via the coax cable to the IF output. All products RoHs Compliant

RFX-DOWN CONVERTERS

5.8; 6.4; 7.1 GHz to 2 GHz

Frequency Bands:

Part No.	Input Freq.	Output Freq.	L.O. Freq.
RFX-Down-5.8/2GHz	5.8 - 6.4 GHz	2.0 - 2.7 GHz	3.75 GHz
RFX-Down-6.4/2GHz	6.4 - 7.15 GHz	2.0 - 2.7 GHz	4.42 GHz
RFX-Down-7.1/2GHz	7.1 - 7.70 GHz	2.0 - 2.7 GHz	5.00 GHz

*Additional frequencies are available.

RF Input:

Noise Figure:	-3.5 db
Input Impedance:	50 Ω
Input Level:	-20 to -90 dbm
LO Leakage:	-65 db

Connections:

RF Input:	SMA Female
IF Output:	SMA Female
DC Power:	Feed through or Coax to IF Output

Conversions:

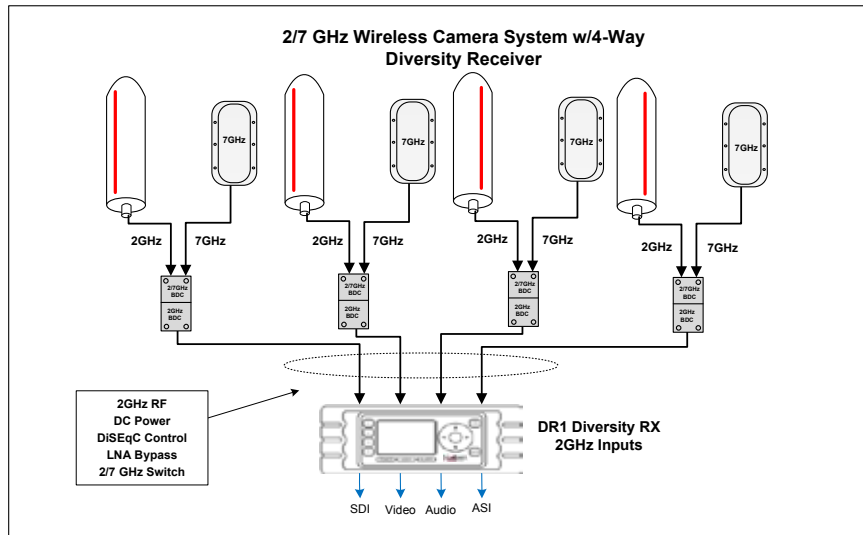
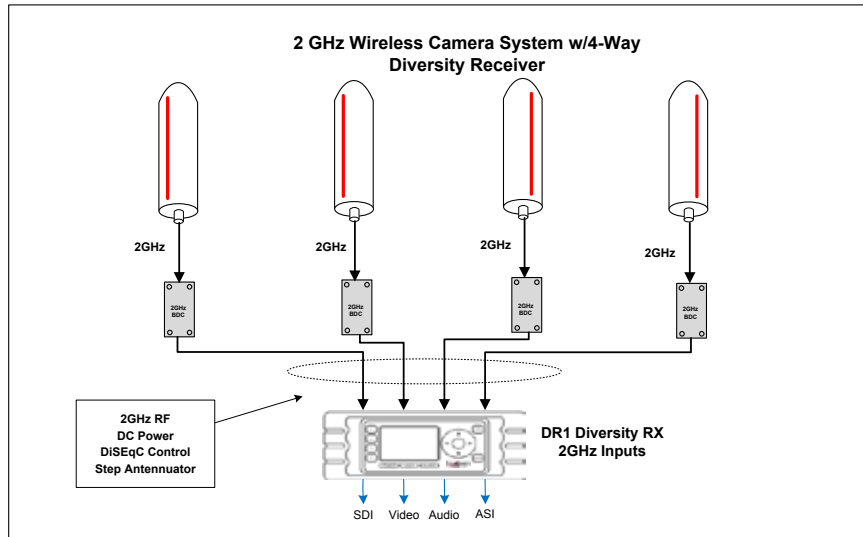
Gain Std.:	≈ 24 db
Frequency Stability:	±2.5 PPM
Output Impedance:	75 Ω
*Optional 15-35 db	

Power Requirements:

11-25 VDC
160 mA current std. Maximum 250 mA

Physical:

Altitude:	Temperature: -20 to +50°C
Humidity:	14,500 ft.
Weight:	95% long term
Size:	375 lbs
3.31 x 2.82 x .832"	
*All products RoHs Compliant	



RF Central reserves the right to make changes to specifications of products described in this datasheet at any time without notice and without obligation to notify any person of such changes.

302_09_09



5 Thornton Ave, Haverhill,
MA 01832 USA
T. +1.978.556.0970 F. +1.978.556.0400
www.microwaveservice.com