

## Downconverters

### FEATURES:

- ❖ 1-94 GHz frequency range
- ❖ L/S band IF interface
- ❖ Low Noise Figure
- ❖ AGC/ALC function option
- ❖ Integrated LO source option
- ❖ Low cost integrated technologies

### APPLICATIONS:

- ❖ Point-to-Point Radio
- ❖ Point-to-Multipoint Radio



**CDN Series**

### DESCRIPTION:

**Cernexwave's CDN series** microwave and millimeter-wave downconverters use MIC thin-film technology to achieve cost-effective, high volume production solutions. These downconverters are available from L Band to W Band.

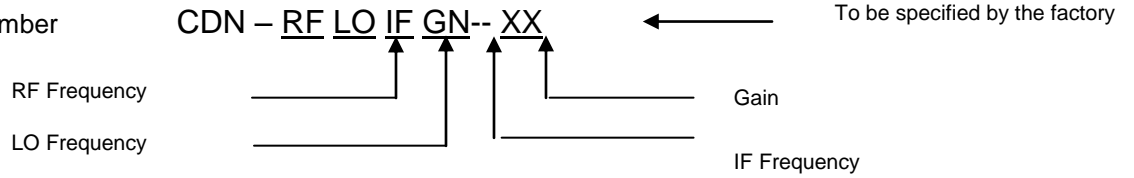
### SPECIFICATIONS:

Waveguide Band	X	Ku	Ku	K	K	K	Ka	Ka
Frequency Range (GHz)	5.9 to 8.5	10.5 to 13.2	14.2 to 15.35	17.7 to 19.7	22.0 to 23.6	24.0 to 26.8	27.5 to 31.5	37.5 to 40.0
Instantaneous BW	> 60 MHz							
IF Input Frequency	500MHz to 4.0GHz							
Gain (typical) (dB)	20 to 40	20 to 40	20 to 40	20 to 40	20 to 40	20 to 40	20 to 40	20
IF Flatness	< 1.0 dB							
Noise Figure (dB)	< 2.25	< 3.0	< 3.5	< 3.5	< 4.0	< 4.5	< 5.0	< 6.5
Input IPS	> -10 dBm							
Image Rejection	> 50 dB							
DC Power	+5V < 200mA							

# CERNEXWAVE

## HOW TO ORDER:

Specify Model Number



**Example:** To order WR-28, specify CDN - 40 40 04 20 - XX.

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