

## 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:

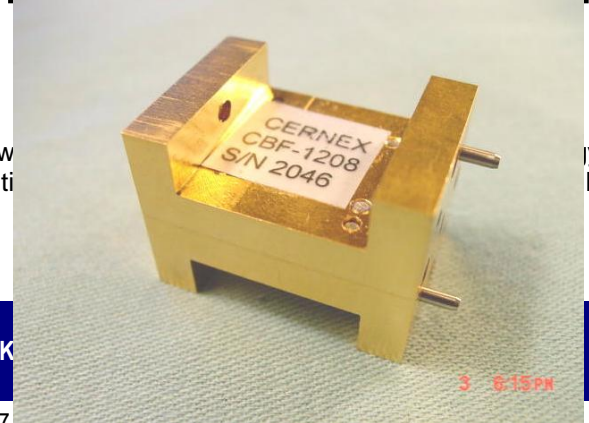
- ❖ Point-to-Point Radio
- ❖ Point-to-Multipoint Radio

### DESCRIPTION:

Cernexwave's CDN series microwave and millimeter-wave downconverters are designed to achieve cost-effective, high volume production solutions for Point-to-Point and Point-to-Multipoint Band to W Band.

### SPECIFICATIONS:

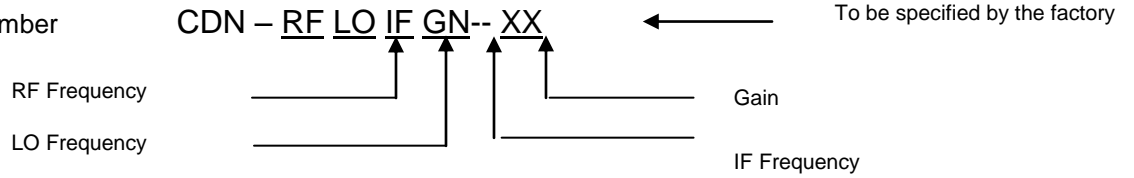
Waveguide Band	X	Ku	Ku	Ku	Ku	Ku	Ku	Ku
Frequency Range (GHz)	5.9 to 8.5	10.5 to 13.2	14.2 to 15.35	17.1 to 19.7	22.0 to 23.6	24.0 to 26.8	27.0 to 31.5	37.0 to 40.0
Instantaneous BW	> 60 MHz							
IF Input Frequency	500MHz to 4.0GHz							
Gain (typical) (dB)	20 to 40	20 to 40	20 to 40	20 to 40	20 to 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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