

Frequency Meters

FEATURES:

- ❖ High Frequency Operation from 90.0 to 220 GHz
- ❖ Circular Waveguide Cavity for High-Q Resonances
- ❖ Micrometer Readout for Accurate Frequency Determination

APPLICATIONS:

- ❖ Test equipment



DESCRIPTION:

CMF Series

Cernexwave's CMF series frequency meters are available in three standard waveguide sizes for operation over 90 to 220 GHz frequency range. Each unit is supplied with a calibration table and curve. The calibration is performed by using the micrometer-driven plunger to measure the distance between electrical resonances for a known frequency. These distances are recorded for several frequencies and then plotted on a curve to allow extrapolation for all frequencies.

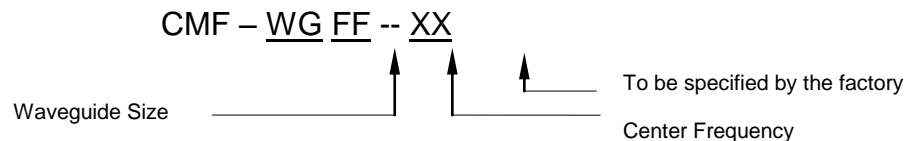
SPECIFICATIONS:

Waveguide Band	F	D	G
Waveguide Size	WR-8	WR-7	WR-5
Frequency Range (GHz)	90 to 140	110 to 170	140 to 220
Absolute Accuracy (%)	0.5	0.5	0.7
VSWR Max. ¹	1.20	1.20	1.20
Insertion Loss (dB) Typical	0.5	0.6	0.8
Dip at Resonance (dB)	0.3 – 1.0	0.3 – 1.0	0.3 – 1.0
Weight (oz)	3.0	2.5	2.5

Notes: 1. Off Resonance

HOW TO ORDER:

Specify Model Number



Example: To order WR-8 frequency meters with center frequency of 115 GHz , specify CMF-08115-XX.

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