

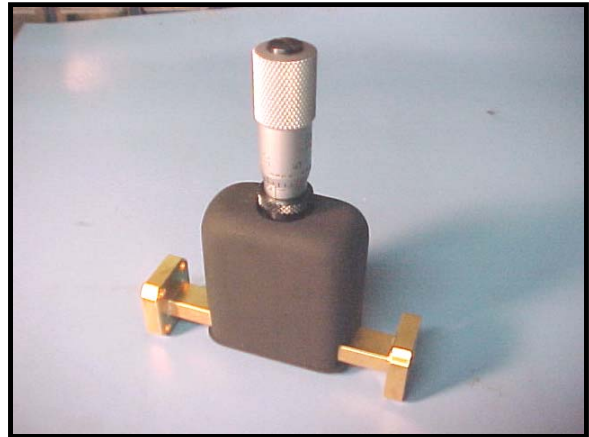
## Micrometer-Driven Calibrated Attenuators

### FEATURES:

- ❖ High Resolution
- ❖ Micrometer Readout
- ❖ Differential Screw Drive
- ❖ Anti-Backlash Operation
- ❖ Excellent Mechanical Stability
- ❖ Calibration Accuracy: 0.2 dB or 2%
- ❖ Calibration Curve Provided at Specified Frequency

### APPLICATIONS:

- ❖ Test equipment
- ❖ Subsystems
- ❖ Prototypes



**CMC Series**

### DESCRIPTION:

**Cernex's CMA** series micrometer-driven calibrated attenuators are compact precision attenuating devices available in standard waveguide sizes from 90.0 to 220 GHz. Each attenuator is calibrated at the frequency specified at the time of order, and a curve of attenuation vs. dial-reading is included with every unit. Calibration curves at other frequencies are also available.

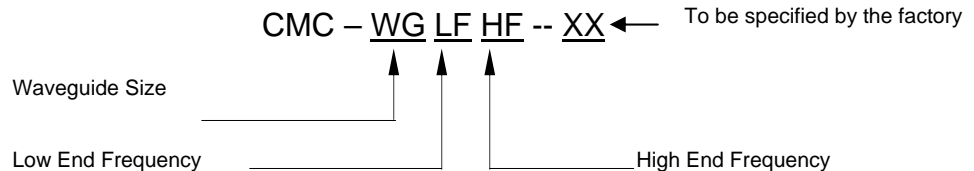
### SPECIFICATIONS:

| Waveguide Band        | W             | F             | D             | G             |
|-----------------------|---------------|---------------|---------------|---------------|
| Waveguide Size        | WR-10         | WR-8          | WR-6          | WR-5          |
| Frequency Range (GHz) | 75 to 110     | 90 to 140     | 110 to 170    | 140 to 220    |
| Calibration Accuracy  | 0.2 dB – 2%   | 0.2 dB – 2%   | 0.2 dB – 2%   | 0.2 dB – 2%   |
| Attenuation Range     | 0 dB to 25 dB | 0 dB to 25 dB | 0 dB to 25 dB | 0 dB to 25 dB |
| VSWR                  | 1.25          | 1.25          | 1.25          | 1.25          |
| Insertion Loss        | 0.3 dB        | 0.4 dB        | 0.5 dB        | 0.7dB         |
| Average (W) Avg.      | 0.5           | 0.3           | 0.2           | 0.1           |

**Note:** Full attenuation range may not be available for all G-band frequencies.

### HOW TO ORDER:

Specify Model Number



**Example:** To order WR-7 waveguide attenuator, specify CMA-7110170-XX.

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE