



Micrometer-Driven Calibrated Phase Shifters

FEATURES:

- ❖ Low VSWR
- ❖ Micrometer Readout
- ❖ Smooth Anti-Backlash Operation
- ❖ Differential Screw Drive for Increased Phase Shift Resolution



DESCRIPTION:

CMS Series

Cernex's CMS series micrometer-driven calibrated phase shifters are designed for operation in three waveguide sizes from 90 to 220 GHz. The differential screw drive provides an increased resolution when compared with single screw drives. This resolution is advantageous since the total travel of the phase shift vane is quite short at high frequencies. The precise micrometer readout enhances the set ability and repeatability of these devices. Each phase shifter is calibrated at the specified frequency and a curve of phase shift vs. micrometer readout is supplied. Additional calibrations are supplied at an additional cost.

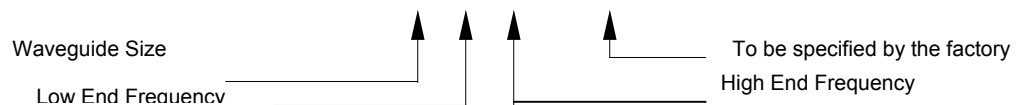
SPECIFICATIONS:

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
VSWR Max.	1.25	1.25	1.25
Phase Shift (degree) Min.	180	180	180
Accuracy (°)	±3.0	±3.0	±3.0
Weight (oz)	5.5	5.5	5.5

HOW TO ORDER:

Specify Model Number

CMS – WG LF HF-- XX



Example: To order WR-7 waveguide phase shifter, specify CMA-110170-XX.

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE