

Direct-Reading Phase Shifters

FEATURES:

- ❖ High Accuracy
- ❖ Direct Reading Dial
- ❖ Frequency Independent
- ❖ Direct Drive With No Gears
- ❖ Continuously Adjustable Phase
- ❖ Low VSWR & Low Insertion Loss



CDS Series

APPLICATIONS:

- ❖ Test Equipment
- ❖ Subsystems
- ❖ Phased Arrays
- ❖ Interferometers

DESCRIPTION:

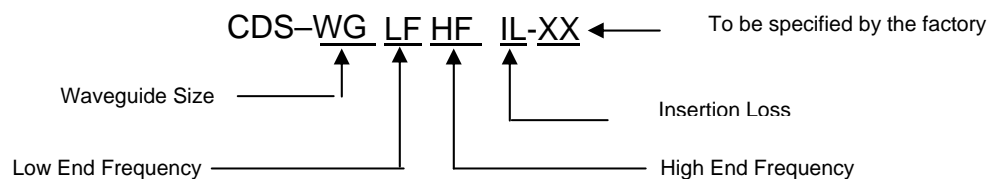
Cernex's CDS direct reading phase shifters provide highly accurate measurement of phase shift over each full waveguide band from 26.5 to 110.0 GHz. They feature low VSWR, low insertion loss, and low insertion loss variation due to the rotation of the phasing section.

SPECIFICATIONS:

Waveguide Band	Ka	Q	U	V	E	W
Waveguide Size	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10
Frequency Range (GHz)	26.5 to 40	33 to 50	40 to 60	50 to 75	60 to 90	75 to 110
Accuracy (degrees)	3	3	3	4	4	4
Insertion Loss (dB)	1.0	1.2	1.3	1.5	1.8	2.0
VSWR Max.	1.30	1.30	1.30	1.30	1.30	1.35
Average Power (Watts)	1.0	1.0	1.0	0.8	0.7	0.6
Weight (oz.)	30	29	28	27	26	24
Operating Specifications						
Phase Shift Range	0° to 360° Direct Reading					
Read-Out	0° to 360° in 5° divisions, with 0.5° vernier					
Loss Variation	1.0 dB (Max.)					

HOW TO ORDER:

Specify Model Number



Example: To order WR-15 direct reading phase shifter, specify CDS-15507501-XX