CERNEXWAVE

Variable Phase Shifters

FEATURES:

- Rugged construction
- Full band operation
- 180 ° phase shifting
- Low cost

APPLICATIONS:

- Test equipment
- Subsystems
- Prototypes

CPS Series

DESCRIPTION:

Cernexwave CPS Series variable phase shifters are offered for the frequency range of 18 to 110 GHz in seven waveguide bands. The phase shifters utilize a low loss dielectric material, which offers minimum insertion loss. The standard phase shifters are equipped with a micrometer dial, which allows for fine, accurate and repeatable phase settings. The variable phase shifters are typically used in the test setups and prototype assemblies where a certain amount of phase shift is required.

SPECIFICATIONS:

Waveguide Band	Kc	K	Ka	Q	U	V	E	W
Frequency Range (GHz)	15 to 22	18 to 26.5	26.5 to 40	33 to 50	40 to 60	50 to 75	60 to 90	75 to 110
Waveguide Size	WR-51	WR-42	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10
Variable Phase Shifting Range		0 to 180 degrees						
VSWR (Typical)	1.3:1	1.15:1						
Insertion Loss (dB, Typical)	0.5	0.4	0.4	0.5	0.6	0.7	0.8	1.0
Power Rating (Maximum)	--	0.6	0.6	0.5	0.5	0.4	0.3	0.3

Contact factory for other waveguide bands and specifications.

HOW TO ORDER:

Specify Model Number

CPS – WG LF HF IL – XX ← To be determined by the factory

Waveguide Size

Insertion Loss

Low End Frequency

High End Frequency

Example: To order a full band WR-15 level setting phase shifter with 1.0 dB maximum attenuation level, specify CPS – 15FF10.

CERNEXWAVE RESERVE THE RIGHT TO CHANGE TO SPECIFICATIONS WITHOUT NOTICE