

## Manual Waveguide Switches

### FEATURES:

- ❖ Positive Indexing
- ❖ Optimum Isolation
- ❖ Non-Contacting Choke Coupling
- ❖ Versatile Switching Combinations

### APPLICATIONS:

- ❖ Test equipment
- ❖ Communication systems



### DESCRIPTION:

### CWS Series

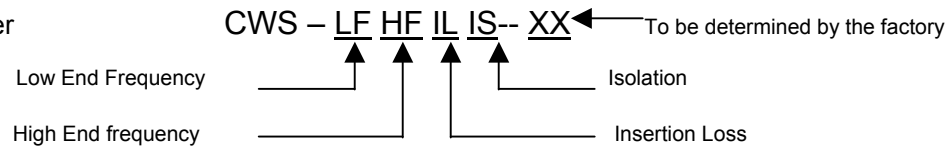
Cernex's CWS series manual switches are designed for use in standard millimeter wave frequency bands from 26.5 to 220 GHz. Each unit will operate over the full waveguide bandwidth with minimum insertion loss, minimum VSWR, and maximum isolation between coupled and uncoupled waveguide sections.

### SPECIFICATIONS:

Waveguide Band	Ka	Q	U	V	E	W	F	D	G
Waveguide Size	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10	WR-8	WR-7	WR-5
Frequency Range (GHz)	26.5 to 40	33 to 50	40 to 60	50 to 75	60 to 90	75 to 110	90 to 140	110 to 170	140 to 220
Isolation (dB) Min.	50	50	50	40	40	40	40	35	30
Insertion Loss (dB) Max.	0.3	0.3	0.3	0.3	0.4	0.5	0.7	0.9	1.0
VSWR Max.	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.20	1.25

### HOW TO ORDER:

Specify Model Number



**Example:** To order WR-15 manual waveguide switch with a frequency band of 50-75 GHz, an insertion loss of 0.4db, and an isolation of 40db, specify CWS-50750440-XX.

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE