

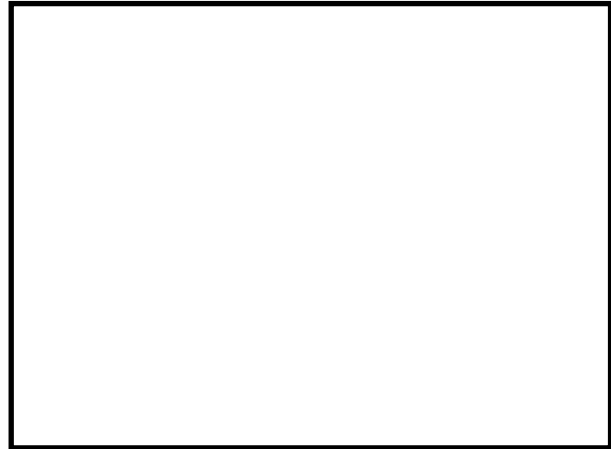
Two Position Solenoid Switches

FEATURES:

- ❖ Low Loss
- ❖ Low VSWR
- ❖ Accurate Positioning
- ❖ High Isolation Between Ports

APPLICATIONS:

- ❖ Operational Systems
- ❖ Test setups



DESCRIPTION:

CTP Series

Cernex's CTP series waveguide switches consists of a waveguide switch selection similar to the CWS series switch and a rotary solenoid stepping motor encased in a machined housing.

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
Isolation (dB) Min.	50	50	50	40	40	40
Insertion Loss (dB) Max.	0.3	0.3	0.3	0.3	0.4	0.5
VSWR Max.	1.15	1.15	1.15	1.15	1.15	1.15
Average Switching Speed (seconds)	0.5	0.5	0.5	0.5	0.5	0.5

HOW TO ORDER:

Specify Model Number

CTP – LF FF IL IS-- XX ←To be specified by the factory

Low End Frequency _____ ↑ ↑ ↑ ↑ Isolation _____

High End Frequency _____ ↑ ↑ ↑ ↑ Insertion Loss _____

Example: To order WR-15 solenoid switch with a Frequency range of 50-53 GHz, an insertion loss of 0.3 db, and isolation of 40db, specify CTS-50530340-XX.

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE