

## Waveguide Switches

Our line of Waveguide Switches are designed for reliability in outdoor environments including freezing rain, sand and dust. A mating connector is supplied with each switch. Standard options available as follows:

- Flanges can be selected from most common North American or metric types. Specify flange type with order.
- Driver voltages include 12V, 24V, or 48V DC and 115V or 220V AC. Specify driver voltage with order.
- Weather cap for manual override control (required for outdoor environments).
- Drive head includes Form C contacts, some of which may be replaced with inhibit contacts.

Waveguide Size	Frequency Range (GHz)	Insertion Loss (typ) (dB)	Isolation (max) (dB)	Return Loss (typ) (dB)	Switching Time (max) (msec)	CW Power Rating (kW)	Part Number	Outline
WR229	3.5 - 4.2	0.05	70	32	120	5.0	390-350420-190	S01
WR187	3.95 - 5.85	0.05	80	30	100	5.0	390-395585-190	S02
WR159	4.90 - 7.05	0.05	70	30	100	5.0	390-490705-190	S03
WR137	5.85 - 8.20	0.05	70	30	80	5.0	390-585820-110	S04
WR112	7.0 - 10.0	0.05	70	28	80	5.0	390-700100-120	S05
WR90	8.2 - 12.4	0.05	70	30	80	3.5	390-820124-140	S06
WR75	10.0 - 15.0	0.05	70	28	80	3.5	390-100150-150	S07
WR62	12.4 - 18.0	0.05	70	26	80	2.5	390-124180-160	S08
WR42	18.0 - 26.5	0.15	60	23	70	1.0	390-180265-170	S09
WR34	22.0 - 33.0	0.15	55	23	70	0.5	390-220330-180	S10
WR28	26.5 - 40.0	0.15	55	23	70	0.4	390-265400-190	S11

**Power Connectors:** for WR229 through WR62 – ITT KPTO2614-19P  
for WR42 through WR28 – ITT KPTO2614-10P

**Operating Temperature:** -40° to +75° C

**Humidity:** 100%

**Pressure Rating:** 20 psig, including driving head