HIGH POWER SWITCHES

- **Custom Designs**
- **0.1 to 2.0 GHz**
- **High CW Power – Up to 150 W**
- **High Peak Power – Up to 600 W**
- **Reflective**
- **SPST through SP6T**

DESCRIPTION

Narda offers a range of high power switches covering the HF, UHF, and L-Band. They are applicable for communications systems and radar systems. The design of these high power switches is based on shunt on series shunt topology, utilizing special materials for power dissipation. These switches feature a special driver with TTL control. The driver is capable of supplying reverse bias of up to –100 V and forward current up to 150 ma. These switches handle pulse widths up to 10 μsec with up to 12 % duty cycle.

These high power switches are custom designed to customer specifications, including the package configuration. These switches are available in different hermetically sealed packages with SMA or TNC connectors.

The following are examples of some of the many high power switches that have been supplied. The operating frequency is typically a 25% bandwidth within the stated frequency range.

SPECIFICATIONS

FUNCTION	TYPE	FREQUNCY RANGE (GHz)	INSERTION LOSS (dB) max	VSWR max	ISOLATION (dB) min	SWITCHING TIME (μsec)	CW POWER	PEAK POWER
SPDT	Ref	0.1-0.5	0.7	1.5:1	45	15	150 W	250 W
SPDT	Ref	1.0-2.0	1.8	1.4:1	35	5.0	60 W	500 W
SP4T	Ref	1.0-2.0	1.0	1.4:1	35	5.0	60 W	500 W
SP5T	Ref	0.5-1.0	0.8	1.4:1	35	5.0	60 W	500 W
SP6T	Ref	1.0-2.0	1.1	1.5:1	35	5.0	60 W	500 W