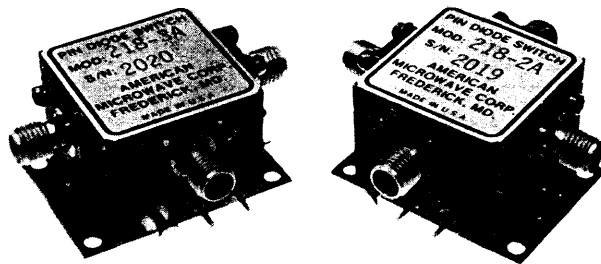


10 MHz - 18 GHz SINGLE POLE MULTITHROW SWITCHES WITH DRIVERS



FEATURES

- 10 MHz to 18 GHz
- Low Insertion Loss
- High Isolation
- Small Size

DESCRIPTION

Multithrow PIN diode switches that cover the frequency range from .01 to 18 GHz are available in SPDT to SP5T configurations in octave to multi-decade bandwidths.

All feature rugged, bonded diode chip and micro-strip construction that meet MIL-STD-202C environmental requirements. TTL drivers feature ultra reliable discrete component construction including hermetically sealed transistors available in JANTX level reliability. Drivers, in addition, will withstand up to 300% overload and reverse polarity connection for up to 30 seconds without damage.

Optional control port connectors, power supply voltages, male RF connectors and truth tables are available.

SPECIFICATIONS

MODEL NUMBER	SWITCH TYPE	FREQUENCY RANGE (GHz)	MAXIMUM INSERTION LOSS (dB)	MINIMUM ISOLATION (dB)	MAXIMUM VSWR
SW-2000-2A	SPDT	.01-2	1.5	35	1.5
SW-2000-3A	SP3T	.01-2	1.7	35	1.6
SW-2000-4A	SP4T	.01-2	2.0	30	1.7
SW-2000-5A	SP5T	.01-2	2.5	30	1.9
SW-2040-2A	SPDT	2-4	1.5	45	1.5
SW-4080-2A	SPDT	4-8	1.7	40	1.6
SW-8012-2A	SPDT	8-12	1.9	35	1.7
SW-1218-2A	SPDT	12-18	2.2	30	1.9
SW-218-2A	SPDT	2-18	2.5	30	2.0
SW-2040-3A	SP3T	2-4	1.6	45	1.5
SW-4080-3A	SP3T	4-8	1.7	40	1.6
SW-8012-3A	SP3T	8-12	1.8	35	1.7
SW-1218-3A	SP3T	12-18	2.6	30	1.9
SW-218-3A	SP3T	2-18	2.8	30	2.5

SWITCHING SPEED: (10% RF to 90% RF) 50 ns
(90% RF to 10% RF) 50 ns

POWER HANDLING: +23 dBm, Max

TTL DELAY: 50 ns, typical

POWER SUPPLY: +5VDC @ 100 mA, Max
-5VDC @ 50 mA, Max

OPTIONS: 001 - 55 dB, Min Isolation
002 Independent Controls (SPDT)
003 SMA Male Connectors
004 Solder Pin Control Terminal
005 Reverse Logic
006 - 15V Supply
007 - 12V Supply

LOGIC:

"0" = OFF
"1" = ON