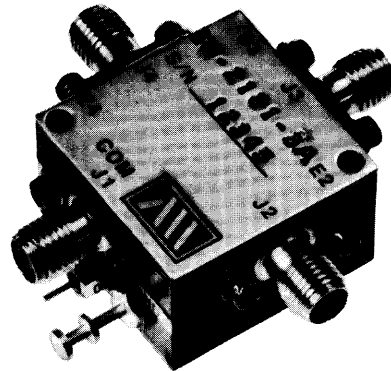


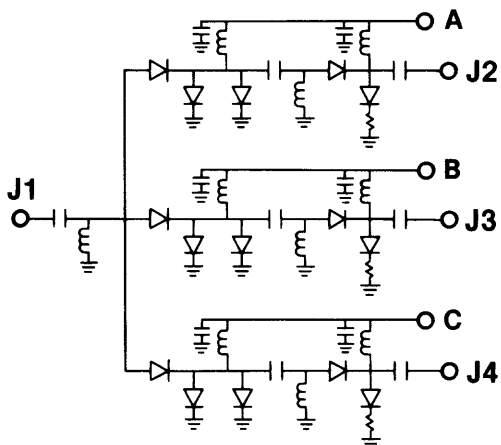
**PIN DIODE SWITCH SP3T
MODEL SW-2181-3AT
NON-REFLECTIVE
2-18 GHz**



FEATURES

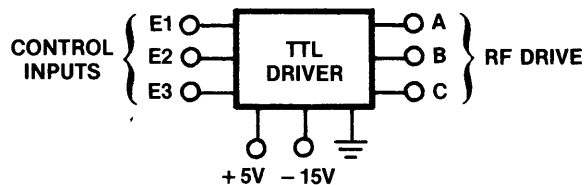
- Integral TTL Driver
- Rugged Microstrip Construction
- Off Arm Terminations
- Reverse Polarity Protection on +V and -V Lines

FUNCTIONAL SCHEMATIC



DESCRIPTION

Model SW-2181-3AT is a broadband SP3T covering the 2-18 GHz band. It features off-arm terminations that provide reflection-less performance when the arm is switched "ON" or "OFF". Integral TTL driver is unit load TTL compatible, one control per arm.



SPECIFICATIONS

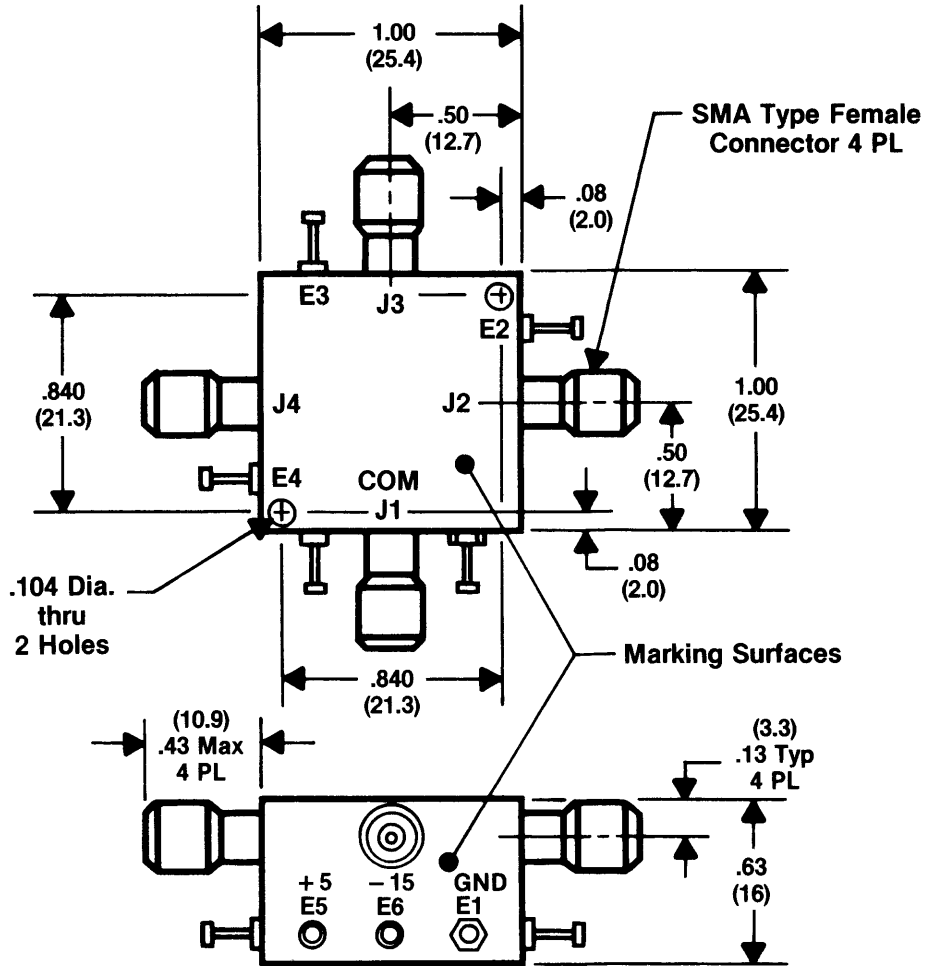
Characteristics	Frequency (GHz)			
	2-4	4-8	8-12.4	12.4-18
Parameters				
MAX INS Loss (dB)	2.0	2.2	2.7	3.3
MIN Isolation (dB)	60	60	60	55
MAX VSWR (on)	1.5	1.8	1.8	2.0
MAX VSWR (off)	1.5	1.8	1.8	1.9

RISE/FALL TIME:	50 ns, Max (10% to 90% RF) 50 ns, Max (90% to 10% RF)
RF POWER:	+ 30 dBm, Max
CONTROL:	TTL Compatible, One "unit load" 3 individual controls. Logic "1" RF - ON Logic "0" RF - OFF
POWER REQUIREMENTS:	+ 5 Vdc @ 130 mA, Max - 15 Vdc @ 60 mA, Max
CONNECTORS:	RF: SMA Female Power: RFI Solder Pin Control: Solder Pin
OPTIONS:	001 RF Male SMA Connectors 002 35 dB, Min Isolation 003 - 12 Vdc Supply 004 + 15 Vdc Supply 005 Reverse Logic 006 - 5 Vdc Supply 007 008 009 10 ns, Max Rise/Fall Time 010 Extend Frequency Range to 500 Mhz

ENVIRONMENTAL RATINGS

Operating Temperature	- 65° C to 110° C
Non-Operating Temperature	- 65° C to 125° C
Humidity	MIL-STD-202F, METHOD 103B
Shock	MIL-STD-202F, METHOD 213B
Vibration	MIL-STD-202F, METHOD 204D
Attitude	MIL-STD-202F, METHOD 105C
Temp Cycling	MIL-STD-202F, METHOD 107D

MECHANICAL DATA



Dimensions: Inches (millimeters)