SPDT PIN DIODE SWITCHES

0.5 - 18 GHz

FEATURES

- Field Removable Connectors for Drop-In Assembly
- High Isolation Models Available
- Wideband Performance
- Option for Integral Driver

APPLICATIONS

- Communications Systems
- EW Systems
- Test Equipment
- Electronic Simulators
- Modulators

ENVIRONMENTAL RATINGS

Max Input Power……..…..1 W Average
Operating Temperature Range……..-55°C to +125°C
Storage Temperature Range……..…-65°C to +125°C

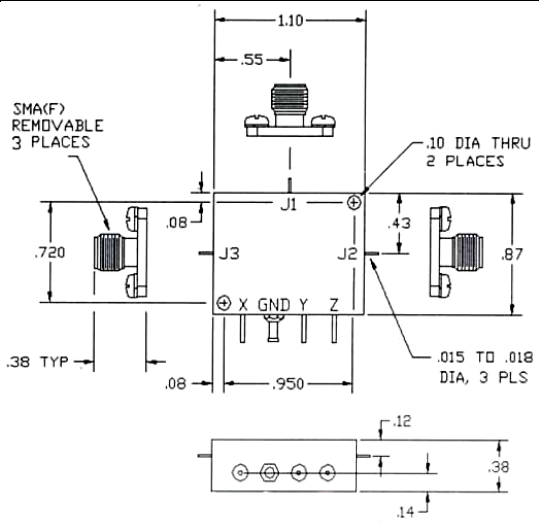
Specifications: (@ +25°C, 0 dBm)

MODEL	MAXIMUM INSERTION LOSS (GHz)			MINIMUM ISOLATION (dB)	MAXIMUM VSWR	INTEGRAL WITH DRIVER
	0.5 – 2.0 GHz	2.0 – 8.0 GHz	8.0 – 18 GHz			
S2S0518A4	1.3	1.6	2.2	40	2:1	NO
S2D0518A4	1.3	1.6	2.2	40	2:1	YES
S2S0518A5	1.5	1.8	2.5	55	2:1	NO
S2D2018A5	1.5	1.8	2.5	55	2:1	YES
S2S0518A6	1.5	2.0	3.0	60	2:1	NO
S2D0518A6	1.5	2.0	3.0	60	2:1	YES
S2S2018A4	--	1.6	2.2	40	2:1	NO
S2D2018A4	--	1.6	2.2	40	2:1	YES
S2S2018A5	--	1.8	2.5	55	2:1	NO
S2D2018A5	--	1.8	2.5	55	2:1	YES
S2S2018A6	--	2.0	3.0	60	2:1	NO
S2D2018A6	--	2.0	3.0	60	2:1	YES

NOTES:

1. Typical switching speed: 100 nsec.
2. Isolation ports are reflective
3. Power supply and model control:

	X	Y	Z	INSERTION LOSS	ISOLATION
UNIT WITHOUT DRIVER	-40mA	NO CONNECT-ION	+40mA	J1-J3	J1-J2
	+40mA		-40mA	J1-J2	J1-J3
UNIT WITH DRIVER	+5V DC, 80mA	TTL LOW	-15V DC, 40mA	J1-J3	J1-J2
		TTL HIGH		J1-J2	J1-J3



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