



PIN DIODE TRANSFER SWITCHES

0.5 - 18 GHz

FEATURES

- Low Insertion Loss
- Multi Octave Band
- Integral Driver
- Single TTL Control Input



APPLICATIONS

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

ENVIRONMENTAL RATINGS

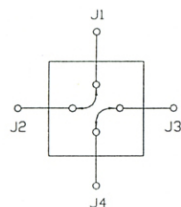
Max Input Power.....1 W Average
 Operating Temperature Range.....-55°C to +95°C
 Storage Temperature Range.....-65°C to +120°C

Specifications: (@ +25°C, 0 dBm)

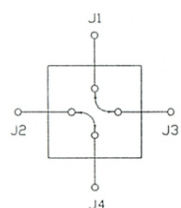
MODEL	FREQUENCY RANGE (GHz)	MAXIMUM INSERTION LOSS (dB)	MINIMUM ISOLATION (dB)	MAXIMUM VSWR	TYPICAL SWITCHING SPEED
STD0520A	0.5 – 2.0	1.3	50	1.5:1	1 μsec (50% of TTL to 90% of RF)
STD2080A	2.0 – 8.0	1.5	45	1.8:1	
STD8018A	8.0 – 18	2.5	35	2:1	
STD2018A	2.0 – 18	2.5	35	2:1	
STD0518A	0.5 – 18	2.7	35	2:1	

NOTES:

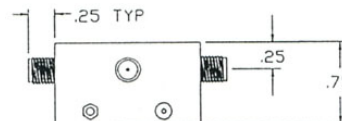
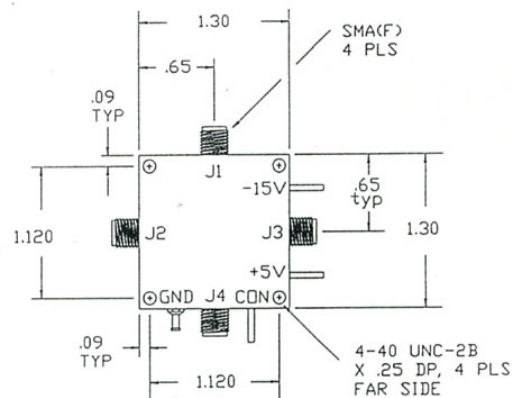
1. DRIVER POWER SUPPLY
 +5V ± 0.2V DC, 100 mA NOMINAL
 -15V ± 0.5V DC, 50 mA NOMINAL
2. MODEL CONTROL



TTL "LOW"



TTL "HIGH"



OUTLINE