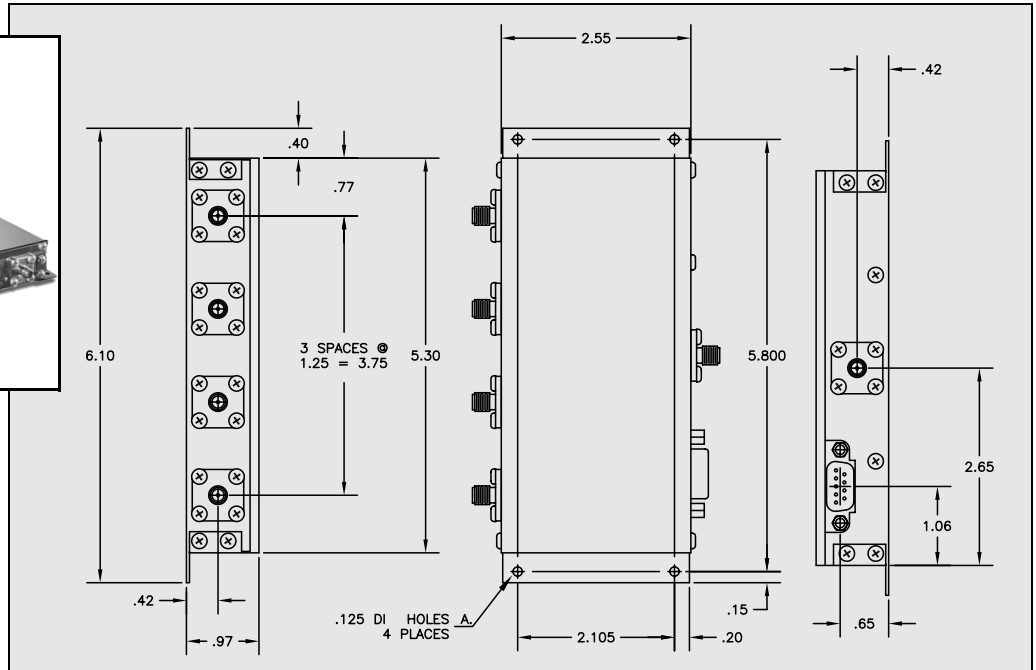


Trilithic's Solid State Switches are designed to meet both the common and uncommon signal routing challenges. Available in 2, 4, and 8 way configurations. See table below. Higher Isolation units available. Consult factory for more details



Models			
Specifications	PS-3.5/2S-5V-TTL	PS-3.5/4S-5V-TTL	PS-3.5/8S-5V-TTL
Frequency Range	1 MHz to 3.5 GHz	1 MHz to 3.5 GHz	1 MHz to 3.5 GHz
Configuration	1P2T	1P4T	1P8T
Impedance	50 Ohms	50 Ohms	50 Ohms
Insertion Loss	2.5 dB max, 1 MHz to 3 GHz 3.0 dB max. 3 to 3.5 GHz 70° C add .2 dB	3.5 dB max, 1 MHz to 3 GHz 4.0 dB max. 3 to 3.5 GHz 70° C add .3 dB	4.5 dB max, 1 MHz to 3 GHz 5.0 dB max. 3 to 3.5 GHz 70° C add .4 dB
Return Loss	15 dB min, 1 MHz to 3.0 GHz 14 dB min, 3.0 GHz to 3.5 GHz	15 dB min, 1 MHz to 3.0 GHz 13 dB min, 3.0 GHz to 3.5 GHz	14 dB min, 1 MHz to 3.0 GHz 12 dB min, 3.0 GHz to 3.5 GHz
IP3 (Input)	+40 dBm min	+39 dBm min	+38 dBm min
Input (1 dB Compression)	+20 dBm, 100 MHz to 1 GHz + 18 dBm, 1 to 3.5 GHz	+20 dBm, 100 MHz to 1 GHz + 18 dBm, 1 to 3.5 GHz	+20 dBm, 100 MHz to 1 GHz + 18 dBm, 1 to 3.5 GHz
Isolation (Common to non-selected output)	> 65 dB, 1 MHz to 2.5 GHz > 60 dB, 2.5 to 3.5 GHz	> 65 dB, 1 MHz to 2.5 GHz > 60 dB, 2.5 to 3.5 GHz	> 65 dB, 1 MHz to 2.5 GHz > 60 dB, 2.5 to 3.5 GHz
Switching Time	< 100 nanoseconds	< 100 nanoseconds	< 100 nanoseconds
Switching Mode	Non-reflective	Non-reflective	Non-reflective
Temperature Range	0 to +70° C	0 to +70° C	0 to +70° C
Control Option	TTL Compatible	TTL Compatible	TTL Compatible
Supply Voltage	+5 Vdc @ 5 mA	+5 Vdc @ 5 mA	+5 Vdc @ 5 mA
Control Connectors	DB-9	DB-9	DB-9
RF Connectors	SMA & N Standard	SMA & N Standard	SMA & N Standard

Switching Connections									
RF Output	1	2	3	4	5	6	7	8	9
1	X								
2		X							
3			X						
4				X					
								+5 v	GROUND

