



RF Components

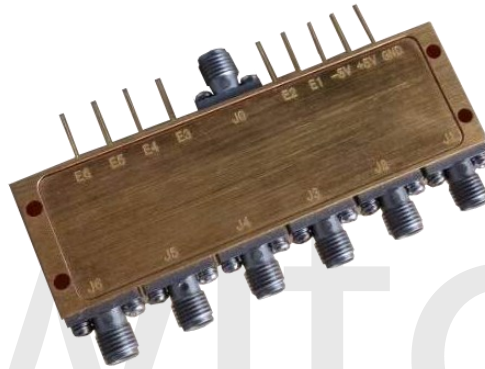
Model Number:
SW-SP6T-BX-1614

PIN Absorptive Switch

0.5 - 3 GHz

- Single pole 6 throw absorption switch
- TTL control
- High isolation
- Low insertion loss

- Available with RF connector options:
- 50 Ω SMA



Switch

RF Parameters		
SW-SP6T-BX-1614		S5S5
Frequency Range (GHz)		0.5 - 3
RF Connectors		50 Ω SMA
Insertion Loss (dB)	Max	1.8
	Typ.	1.6
Switching Speed (nsec)	Max.	60
Input Return Loss (dB)	Min.	12.5
Output Return Loss (dB)	Min.	12.5
Isolation (dB)	Min	60
Electrical specs obtained at ~+25 degrees C		

Switching speed is defined as 50% TTL to 90% RF (t-on) and 50% TTL to 10% RF (t-off).

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport





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Model Number:
SW-SP6T-BX-1614
PIN Absorptive Switch

Technical specifications and operating parameters

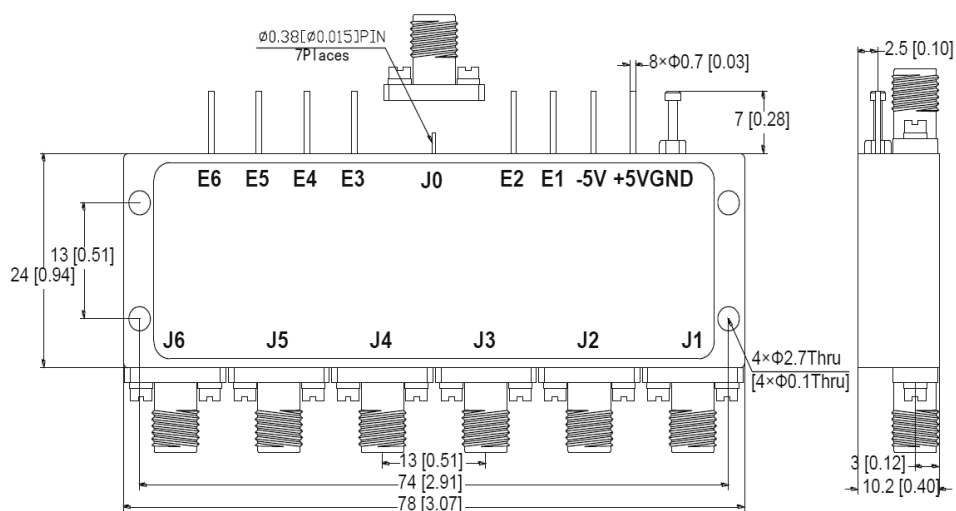
Environmental		
Material/Finish	Aluminium/Gold Plating	
Operating Temperature	-45°C to +85°C	
Storage Temperature	-55°C to +125°C	
Location	Indoor use Only	
Humidity	Max	100% RH at 35°C 95% RH at 40°C
Altitude	Max	10,000 feet

Max Operating Parameters	
DC Bias	+5 V±0.5 V @ 300 mA max -5 V±0.5 V @ 50 mA max
TTL Control Voltage	+5V/0V
Input RF Power	+30 dBm (1W)

Truth Table							Single Path State
Control Input TTL							
E6	E5	E4	E3	E2	E1		
1	1	1	1	1	0	J0-J1	
1	1	1	1	0	1	J0-J2	
1	1	1	0	1	1	J0-J3	
1	1	0	1	1	1	J0-J4	
1	0	1	1	1	1	J0-J5	
0	1	1	1	1	1	J0-J6	

! Operation beyond these limits may cause instantaneous and permanent damage.

Physical Dimensions mm [inches]



Note: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved specification accuracy.

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