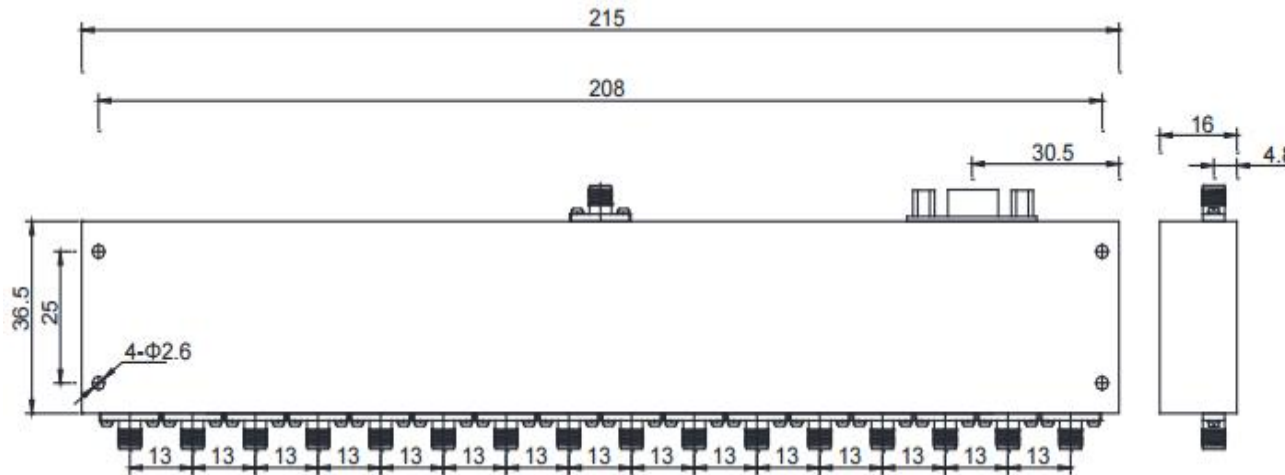


**SW-0.5G18G-16A-S-1** is a single pole, sixteen throw, absorptive switch designed to operate over the 0.5 to 18GHz frequency range. This model is designed to handle 200mW average input power. The switch offers fast switching speeds of 50nsec maximum, low insertion loss of 10dB and high isolation of 60dB . The DC supplies are 500mA@±5V.

### Mechanical Outline(mm):




### Specifications:

Frequency:	0.5 to 18GHz
Insertion Loss:	10.0dB
Isolation:	60dB
Switching Speed:	50ns max.
Power Handling:	200 mW (23dBm)
VSWR:	2.2:1
Voltage/Current:	500mA@±5V
Control logic:	TTL
Connectors:	SMA Female
Type:	Absorptive
Control Connector:	D-sub 9

### Environmental Ratings:

Temperature:	-25°C to +71 °C Operating -65 °C to +100 °C Non-Operating
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A

Pin Diode Switch SW-0.5G18G-16A-S-1			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@connphy.com">sales@connphy.com</a>
CHECKRD:	DATE: 20/05/16	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.


**SW-0.5G18G-16A-S-1** is a single pole, sixteen throw, absorptive switch designed to operate over the 0.5 to 18GHz frequency range. This model is designed to handle 200mW average input power. The switch offers fast switching speeds of 50nsec maximum, low insertion loss of 10dB and high isolation of 60dB . The DC supplies are 500mA@±5V.

**Control Truth Table:**

Thru. Channel	T1	T2	T3	T4
J1	0	0	0	0
J2	0	0	0	1
J3	0	0	1	0
J4	0	0	1	1
J5	0	1	0	0
J6	0	1	0	1
J7	0	1	1	0
J8	0	1	1	1
J9	1	0	0	0
J10	1	0	0	1
J11	1	0	1	0
J12	1	0	1	1
J13	1	1	0	0
J14	1	1	0	1

**Pin Definition:**

Pin 1:	T1
Pin 2:	T2
Pin 3:	T3
Pin 4:	T4
Pin 5:	Na
Pin 6:	Na
Pin 7:	+5V
Pin 8:	-5V
Pin 9:	Gnd

Pin Diode Switch SW-0.5G18G-16A-S-1			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@connphy.com">sales@connphy.com</a>
CHECKRD:	DATE: 20/05/16	SHEET : 2 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.