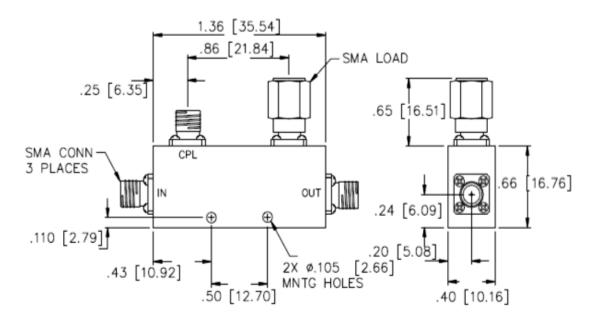
**DC-4G18G-6-S** is a  $6\pm1$ dB coupling directional coupler, designed to operate over the 4.0 to 18.0 GHz frequency range, with compact size. This model is designed to handle 4W mx input power, and also performs with low insertion loss of 0.9dB max and with coupling flatness of  $\pm0.5$ dB max, and low VSWR of 1.4 max.

## **Mechanical Outline(Inch/mm):**



## **Specifications:**

Coupling: 6±1dB

Frequency: 4.0 to 18.0 GHz
Insertion Loss: 0.9dB max
Coupling flatness: ±0.5dB max
Directivity: 12dB min
Power Handling: 50W max
VSWR: 1.4:1 max

Connectors: SMA-F(N Optional)

## **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

Directional Coupler DC-4G18G-6-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	CONNPHY Microwave Inc. www.connphy.com sales@connphy.com
CHECKRD:	DATE: 18/04/15	SHEET: 1 OF 1	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.