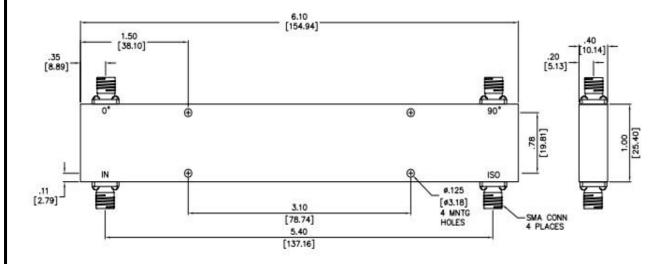
**HB-0.5G10G-90-S** is a 4.0±0.8dB 90 degree hybrids Coupler, designed to operate over the 0.5 to 10 GHz frequency range, with compact size. This model is designed to handle 100W max input power, and high isolation of 16dB, good amplitude balance and phase balance, and low VSWR of 1.5 max.

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



## **Specifications:**

Coupling: 4.0±0.8dB Frequency: 0.5 to 10 GHz Isolation: 16dB min Amplitude balance: 1.6dB max Phase balance: 8.0deg max Power Handling: 30W max VSWR: 1.5:1 max Connectors: **SMA Female** 

## **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

| 90 Degree Hybrid Couplers<br>HB-0.5G10G-90-S |                   |                      |   |
|--|-------------------|----------------------|---|
| DRAWN:                                       | DWG NO.:          | REV CODE:<br>Rev.1.0 | CONNPHY<br>Microwave Inc.                         |
| CHECKRD:                                     | DATE:<br>02/09/15 | SHEET :<br>1 OF 1    | www.connphy.com<br>sales@connphy.com              |
| ISSUED:                                      | SIZE:<br>A        | SCALE :<br>N / A     | Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE. |