

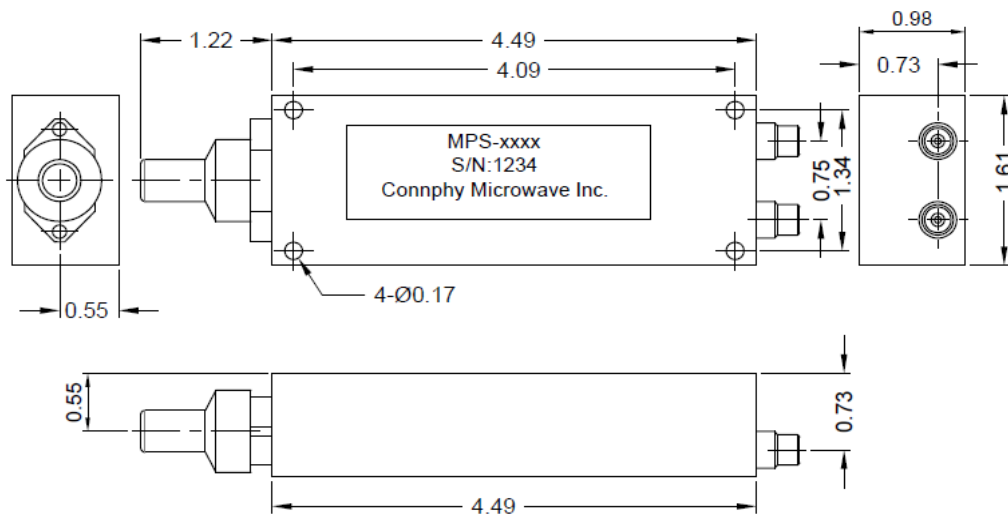
**MPS-DC60G-50-V-D** 0-50°/GHz Models achieve 50° minimum of phase shift @ 1GHz, actual phase shift varies linearly, corresponding to the Frequency unit is operating at.

Example:

If operated @ 2GHz, the unit can achieve 100° phase shift min.,

If operated @ 4GHz operation, the unit can achieve 200° phase shift min., and so on.

### Mechanical Outline(Inch):



### Environmental Ratings:

Temperature: -40°C to +125 °C Operating  
 -65 °C to +120 °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

### Electrical Specifications:

Frequency range: DC to 60 GHz  
 Adjustable Phase shift: 0 to 50°/GHz  
 Insertion loss: 3.0 dB Max  
 VSWR: 1.4:1 Max  
 Adjustable Group Delay: 0 to 0.140 ns  
 Power: 100W average, 5kW peak  
 Drive mechanism: Control shift  $\phi$ 3mm Varnier Dial  
 Connectors: 1.85mm Female

### Mechanical Specification:

Size: 4.49" x 1.61" x 0.98"  
 Body: Aluminum  
 Connectors: Stainless Steel

| Manual Phase Shifter With Micrometer Driven |                   |                      |   |
|---|-------------------|----------------------|---|
| MPS-DC60G-50-V-D                            |                   |                      |   |
| DRAWN:                                      | DWG NO.:          | REV CODE:<br>Rev.1.0 | <br><a href="http://www.connphy.com">www.connphy.com</a><br><a href="mailto:sales@connphy.com">sales@connphy.com</a> |
| CHECKRD:                                    | DATE:<br>12/09/15 | SHEET :<br>1 OF 1    |   |
| ISSUED:                                     | SIZE:<br>A        | SCALE :<br>N / A     | Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.   |