

## TECHNICAL DATA

1. Impedance: 50  $\Omega$
2. Temp. range: -55~+125  $^{\circ}\text{C}$
3. Durability: 500 Cycles
4. Voltage rating: 335 Vrms
5. Frequency range: 0~3 GHz
6. Cable assembly to be 100% tested for continuity

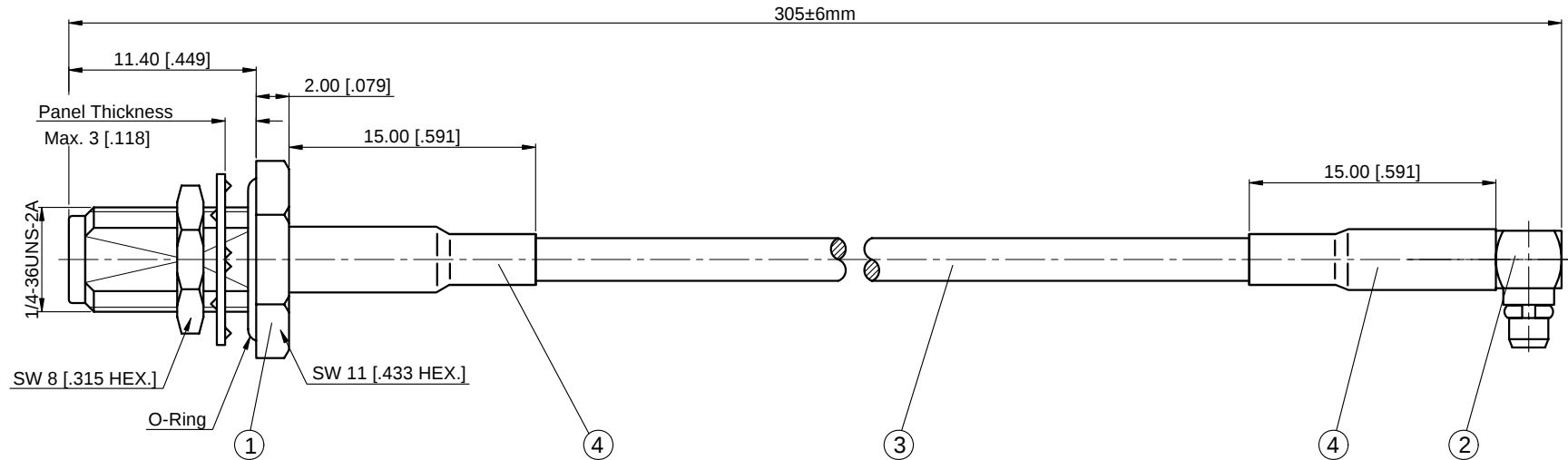
### 7. MATERIALS AND FINISHES

#### SMA Straight Bulkhead Female Connector

Body - Brass plated Gold  
Center contact - Beryllium Copper Alloy plated Gold  
Insulator - PTFE  
Washer - Beryllium Copper Alloy plated Gold  
Fastening Nut - Brass plated Gold  
O-Ring - Silicone Rubber

#### MMCX Right Angle Male Connector:

Body - Brass plated Gold  
Center contact - Brass plated Gold  
Insulator - PTFE



Recommended Mounting Hole

### NOTES:

1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.

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PART No.:  
**CA316-SMAFBW-MMCXRAM-305mm-372**

SIZE: A4 SCALE: 2.5:1 SHEET: 1/1 REV: A

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS [INCHES].  
UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES ARE:  
XX  $\pm 0.13$  [.005"]  
X  $\pm 0.20$  [.008"]  
X  $\pm 0.50$  [.019"]  
ANGULAR TOLERANCES ARE: ALL  $\pm 1^{\circ}$   
OVERALL CABLE LENGTH TOLERANCES ARE:  $\pm 2\%$

DO NOT SCALE DRAWING

PROJECTION:

DRAWN: L. Ma 06/13/2013  
CHECKED: J. Zhu 06/13/2013  
APPROVED: M. Dong 06/13/2013

TITLE:  
Cable Assembly, SMA Waterproof Bulkhead Female to MMCX Right Angle Male, RG316 Cable, 305mm

| S/N | Part No.       | Description                                                                 | QTY |
|-----|----------------|-----------------------------------------------------------------------------|-----|
| 4   | HSTD-4         | 4mm Diameter Dual Wall (Adhesive/glue) Heat-shrinkable Tube                 | 2   |
| 3   | RG316          | Flexible RG316 Coax Cable Single Shielded with Tan FEP Jacket               | 1   |
| 2   | 31-13-1M00-011 | MMCX Right Angle Male Crimp for LMR100/RG174/RG316 Cable                    | 1   |
| 1   | 60-02-1B00-020 | SMA Straight Waterproof Bulkhead Female Crimp for LMR100 /RG174/RG316 Cable | 1   |