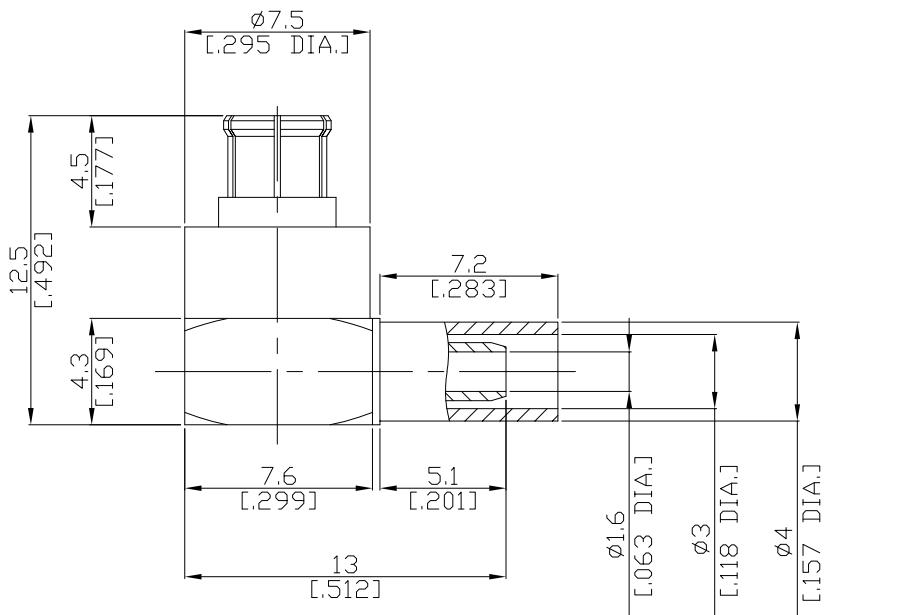


High Power (HP) SMP (Female) Right Angle  
Cable Jack, DC-10 GHz, VSWR  $\leq 1.20$

HPSMP2C59-G316A/94



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

N/A

### Electrical Data

Impedance	50 $\Omega$
Frequency	DC to 10 GHz
VSWR (Return Loss)	DC to 6 GHz: $\leq 1.20$ ( $\geq 20.83$ dB)
Insertion Loss	$\leq 0.03 \times \sqrt{F \text{ (GHz)}} \text{ dB}$
Test voltage	1000 V rms (@ sea level)
Working voltage	480 V rms (@ sea level)
Power handling (at 2.2 GHz)	$\leq 200 \text{ W}$ (@ sea level; 20 °C; VSWR: 1.0)
PIM level	$\geq -155 \text{ dBc}$

- Limitations are possible due to the used cable type and manufacturing process -

### Mechanical Data

Coupling mechanisms	Snap-lock
Centre contact	Soldered
Cable entry	Crimped

### Environmental Data

Temperature range	-65 °C to +165 °C
RoHS	compliant

### Material And Plating

Connector parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Nickel underplated)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Crimp ferrules	Brass	Copper-Tin-Zinc Alloy

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.: -

Date: 19/11/10

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N-CAGE Code: SFKK0 / ISO9001 certified

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High Power (HP) SMP (Female) Right Angle  
Cable Jack, DC-10 GHz, VSWR ≤1.20

HPSMP2C59-G316A/94

**Suitable Cables**

RG 316/U, RG 174 A/U, RG 188, LMR 100A, RNL-100

**Packing**

Single or 100

**Crimp Dimensions [HEX]**

Crimp ferrule

3.25mm [.128 inch]