

### Electrical Specifications

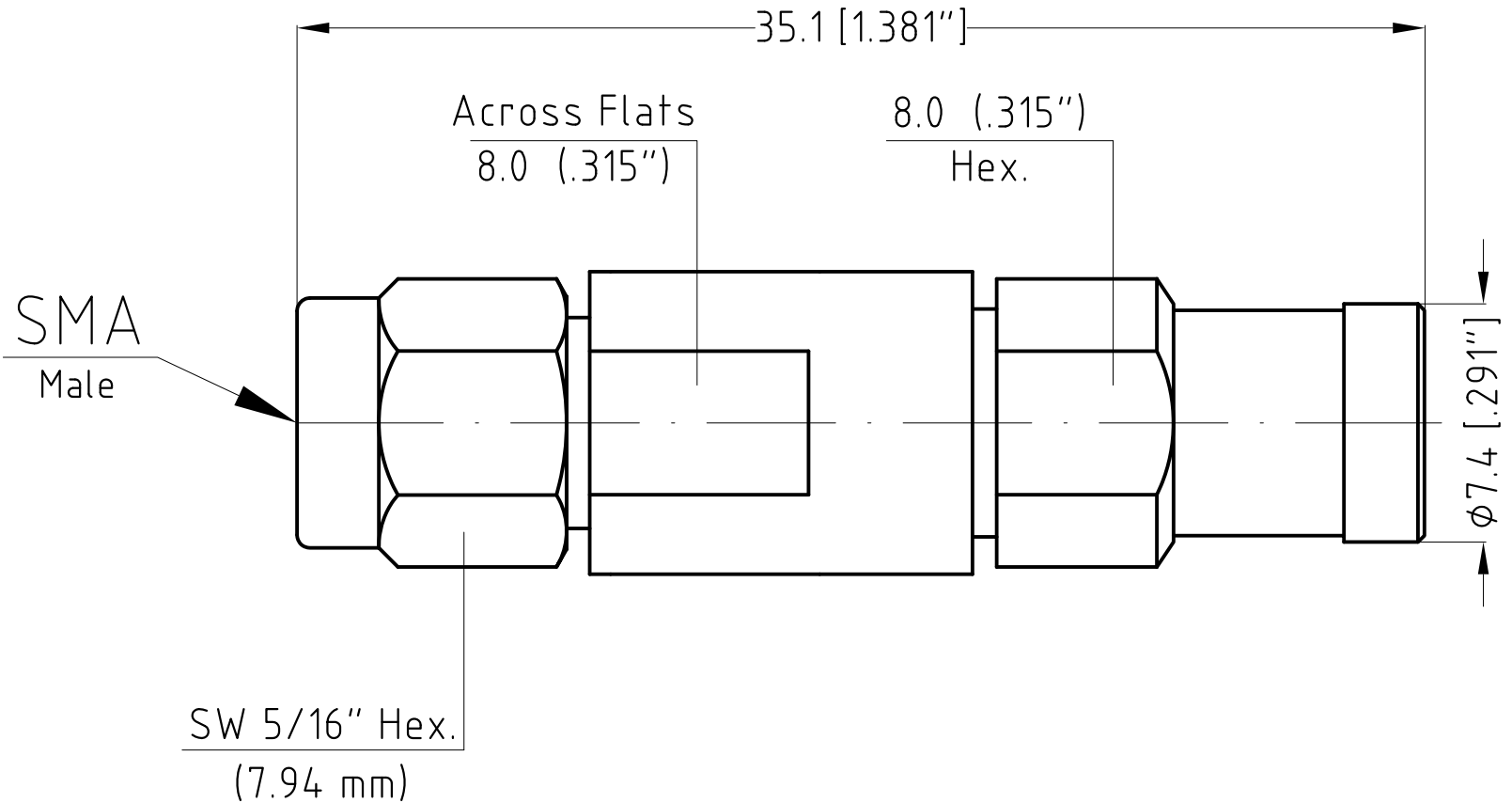
Frequency: DC - 18.0 GHz  
 Impedance: 50 Ohms  
 VSWR:  $1.05 + 0.005 \times f(\text{GHz})$   
 Insertion Loss:  $0.03 \times \text{SQRT}(f(\text{GHz}))$  dB  
 RF Leakage:  $-(90 - f(\text{GHz}))$  dB  
 Insulation Resistance: shall not be less than 5,000 megohms  
 Dielectric Withstanding Voltage: 1,000 Volts rms at Sea Level  
 RF High Potential Withstanding Voltage: 670 Volts rms at 5 MHz

### Materials

Steel  
 Corrosion resistant 1.4305 per DIN EN 10088-3 (ASTM-A-582-80)  
 Copper Beryllium  
 33-25 CuBe2Pb H per DIN 17666 (ASTM-B-196)  
 Brass  
 CuZn39Pb3; CW614N. per DIN EN 12163/12164 (ASTM-B-16)  
 PTFE  
 PolyTetraFluoroEthylene per ASTM-D-1710  
 Silicone Rubber  
 per DIN 3771 (A-A-59588, Class 2B) Grade 50-75

### Finish

Stainless Steel  
 Coupling Nut shall be passivated per ASTM-A-967.  
 Copper Beryllium  
 Centre Contacts shall be gold plated to a minimum thickness of .00005 inch (1.27  $\mu\text{m}$ ) in accordance with ASTM-B-488, Type III, Code C, Class 1.25  
 Brass  
 Outer Conductor & Body shall be gold plated to a minimum thickness of .000031 inch (0.75  $\mu\text{m}$ ) per ASTM-B-488, Type III, Code C, Class 0.75.



### DRAWING-SETS

### SURFACE TREATMENT

### ADM. TOL.

### SURFACE

### SCALE

### WEIGHT

### MATERIAL

### DESCRIPTION

SMA Male Connector  
 to fit on EACON 4C

### DRAWING NUMBER

2015-1187-02

### SHEET

### EDV-NR.

KUZ

### OF

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CODE: C3117

STATE	CHANGES	DATE	NAME