Electrical Specifications

Frequency:	DC – 18.0 GHz
Impedance	50 Ohms
VSWR:	1.05 + 0.005 x f(GHz)
Insertion Loss:	0.03 x SQT(f(GHz)) dB
RF Leakage:	-(90 – f(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

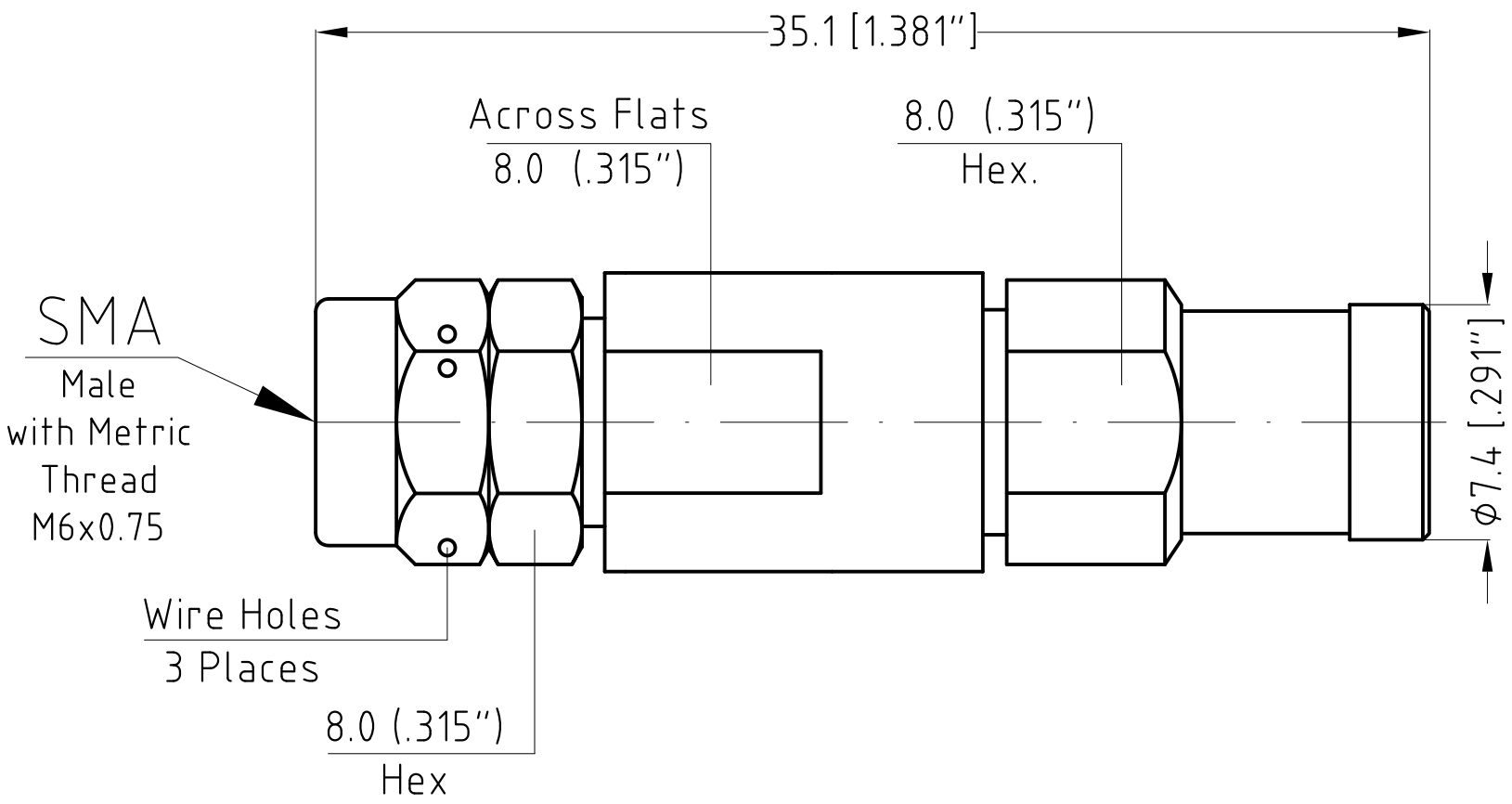
Silicone Rubber
per DIN 3771 (A-A-59588, Class 2B)
Grade 50-75

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 µm) 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 µm) per ASTM-B-488, Type III, Code C, Class 0.75.



DRAWING-SETS

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STATE	CHANGES	DATE	NAME

SURFACE TREATMENT

ADM. TOL.

SURFACE

	DATE	NAME
DRAWN	18.12.14	Eysoldt
APPROV.		
NORM		

Spectrum Elektrotechnik GmbH

CODE: C3117

SCALE

WEIGHT

MATERIAL

DESCRIPTION
SMA Male Connector with Metric Thread to fit on EACON 4C

DRAWING NUMBER 2015-11M1-02

SHEET

EDV-NR. KUZ

OF