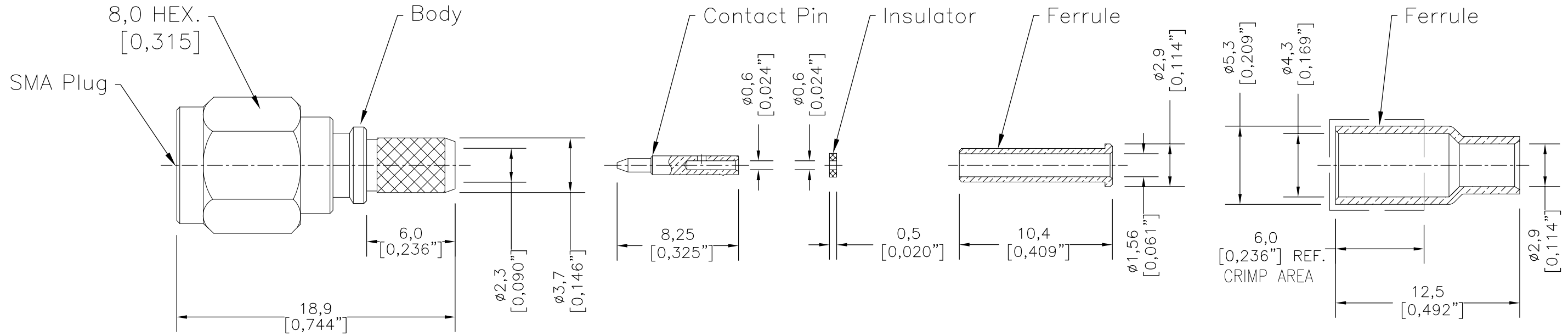


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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	JCL	2007.02.01	JDB	2007.02.01
B	Optimized performance	Joslen.W	2015.04.27	Tony.Z	2015.04.27
C	Correct CAP file	Monica.W	2018.11.27	Joslen.W	2018.11.27



I. MATERIALS & FINISHES

Components	Materials	Finishes	Thk. (μ)
Body	Brass	Nickel	200
Center Cont.	Brass	Gold	15
Ferrule	Brass	Nickel	200
Nut	Brass	Nickel	200
Insulator	PTFE	--	--
Gasket	Silicone	--	--

III. ENVIRONMENT PROPERTIES

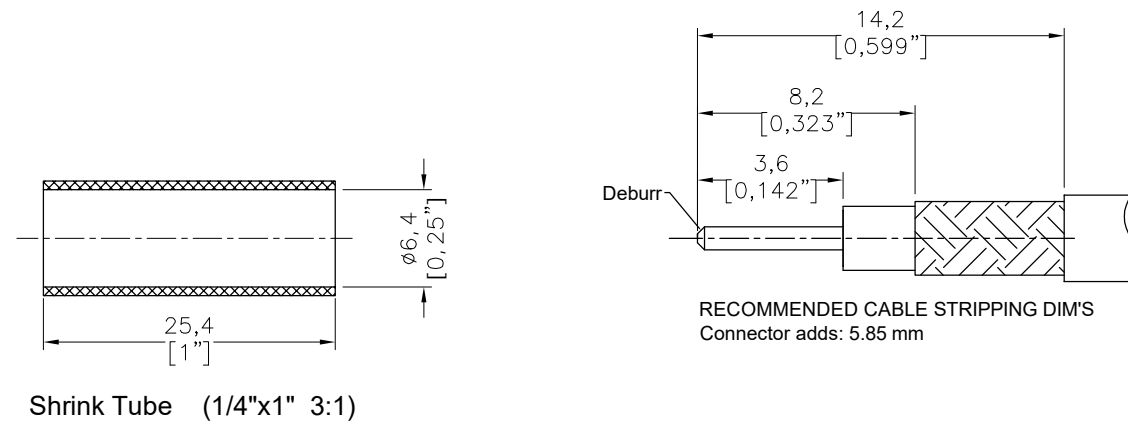
Temperature Range:	-40°C~+125°C
Thermal Shock:	MIL-STD 202G, Meth.107, Cond.B
Vibration:	MIL-STD 202G, Meth.204, Cond.D
Shock:	MIL-STD 202G, Meth.213, Cond I
Climatic Class:	IEC 60068 55/155/21
RoHS:	Compliant

II. ELECTRICAL PROPERTIES

Impedance (Ω):	50
Frequency Range (GHz):	DC to 6 GHz
Dielectric Withstanding Voltage (V):	500
Insulation Resistance (M Ω):	≥ 5000
VSWR:	≤ 1.2 (0-3GHz) ≤ 1.3 (3-6GHz)
Insertion Loss(dB, f/GHz):	-0.1x \sqrt{f}

IV. MECHANICAL PROPERTIES

Center Cont.:	Solder
Outer Cont.:	Crimp
Coupling Nut Torque (in.lbs):	7-10
Cbl-Connector Retention Force (lbs):	20
Durability (cycles):	500



Compatible with Standard: IEC 60169-15

MATL:	UNLESS OTHERWISE SPECIFIED	DFTM:	JCL	 An Amphenol Company			
	ALL DIMENSIONS ARE IN mm MACHINED SURFACES FINISH 1.6 RMS MAX. REMOVE ALL BURRS 0.15X45° MAX. BREAK MACHINE CORNERS 0.15X45° D MAX. FILLET R. TOLERANCES ON DECIMALS .X ± 0.3 .XX ± 0.15 ANGLES $\pm 2^\circ$ FRACTIONS $\pm N/A$	DATE	2007.02.01				
		CHKD	JDB				
		DATE	2007.02.01				
		APPD	JDB				
USED ON: O		DATE	2007.02.01	SC-100-SM SMA Male (Plug) Straight Solder Pin Connector for LMR-100A Cable			
SCALE: N/A	DWG SIZE: A4	DO NOT SCALE DRAWING	CODE ID/FNT: 68999	DATE: 2007.02.01	SHEET: 1 OF 1	3190-2245	REV: C

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