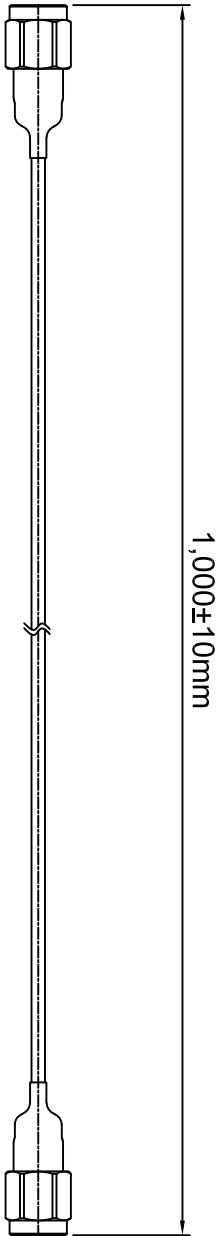
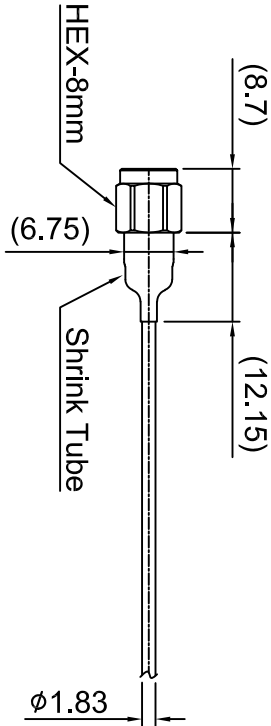


Rev. No	Description	E.C.O	Date



Connector P/N : K(M)_ST072_01



Cable P/N : SR_E702_D1



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Ass'y Name		Ass'y No.		Drawing No.		Size	Date	Name	Signature
2.92mm(m) for SR_E702_D1		K(M)_ST072_01 - SR_E072_D1 - K(M)_ST072_01 - 1.0M		-		-	2020.11.13	JM_P	
Common Tolerance	Seismic Center	○	±0.03	Group 1	X	Scale	See Note.	Approved By	
	Cylinder	□	±0.03	Group 2	X.X	N/S		Checked By	SM_C
	Coaxially	◎	±0.03	Group 3	X.XX	Revision No.		Designed By	JH_L
	Concentric	◎	±0.03	Group 3	X.XX	Rev.0			
		Angle	±3.0°	Unit	mm	Sheet	1 of 1		
		Angle	±2.0°	Projection	mm	Sheet	1 of 1		
		Angle	±1.0°	Revision No.	A4	General External	-		

Specifications

ML-C-17 : Cable
ML-PH-39012 : Connectors
ML-G-45204 : Gold Plating, Electrodeposited
ML-I-23053 : Insulation Steeving etc.
ML-P-46179 : Plastic Molding etc.
ML-F-46198 : Resin, Polyimide etc.

Military Standards

ML-STD-202 : Test Method
ML-STD-810 : Test Method for Environmental
ML-STD-1344 : Test Method for Connectors

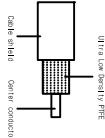
Materials(Connector)

- Body
Stainless Steel (ASTM B 582), Passivated
Brass (C3604)(ASTM B 16), Au Plated
- Center Conductor
BeCu (C1720)(ASTM B 16), Au Plated
- Insulator
PEI0113 (ASTM D 5205)
- Coupling Nut
Stainless Steel (ASTM B 582), Passivated

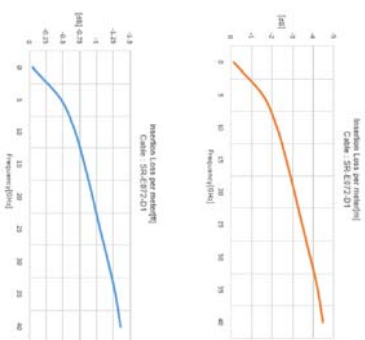
Materials(Cable)

- Cable Center Conductor
Solid SPC (ASTM B 298)
- Cable Dielectric
Ultra Low Density PTFE in accordance with the applicable paragraph of MIL C 17
- Cable Shield
Brass (ASTM B 16), Tin plated (ASTM-B-545)

Cable Constriction



Insertion loss graph(Cable)



Electrical Characteristics (Cable)

- Impedance : 50 Ohm
- Capacitance : 78.7pF/m, 24pF/ft
- Velocity of Propagation : Nom. 84%
- Delay : 3.9ns/m, 1.19ns/ft
- Insertion Loss : -4.5dB/m@40GHz
-1.37dB/ft@40GHz
- RF Leakage : -110dB

Mechanical Characteristics (Cable)

- Minimum Bend Radius : 7mm
- Temperature Range : -40°C / +125°C
- Weight Nominal : 14.5 g/m

Electrical Characteristics (Connector)

- Impedance : 50 Ohm
- Frequency : DC to 40GHz
- VSWR : 1.22 : 1@40GHz Typ.
1.35 : 1@40GHz Max.
- Insertion Loss : -0.1dB/EA @40GHz
- RF Leakage : -100dB