# muRata

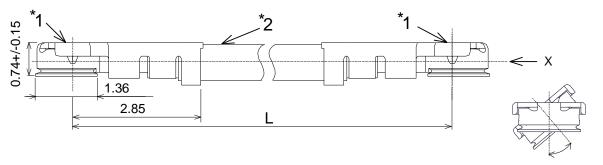
Preliminary Specification of COAXIAL CONNECTORWritten byK. EraPreliminary SPEC No.: NMM04-PJ0005CChecked byT. KuriyamaPart Number: MXJA01JA1000Date14/Dec./2009

**SPECIFICATION** 

Revised A: 14/Jun./'10 LH, B: 08/Oct./'10 LH, C: 20/Oct./'10 LH

>C

# 1. MECHANICAL



0 +/- 45 degree See X

\*1: Connector: JSC right angle plug connector

\*2: Cable

Scale: Free Tolerances Unless Otherwise Specified +/- 0.3

Unit: mm

>A >B >C

L 100 +/- 3

### 2. CABLE:

ALL.				
Item		Specification		
2.1	Voltage Rating	30V r.m.s. maximum		
2.2	Nominal Frequency Range	DC to 12 GHz		
2.3	Nominal Impedance	50Ω		
2.4	Temperature Rating	-40°C to +85°C		
2.5	Used Cable	0.4D Single shield PFA cable		

	Item	Unit	Construction
Inner	Material	-	Silver plated copper wire
conductor	No. and Dia.	(No./mm)	7/0.05
	Total Dia.	(mm)	0.15
Insulator	Material	-	PFA
	Total Dia.	(mm)	0.43
Outer	Material	-	Silver plated copper wire
conductor	Dia. of wire	(mm)	0.05
Sheath	Material	-	PFA(White)
	Nominal	(mm)	0.07
	thickness.		
Overall Dia.		(mm)	0.81
Minimum Be	nding Radius	(mm)	3.3
Nominal dB/m at 1G		GHz	2.99
Insertion loss	dB/m at 20	GHz	4.32
	dB/m at 30	GHz	5.33
	dB/m at 40	GHz	6.26
	dB/m at 60	GHz	7.83
	dB/m at 90	3Hz	10.06
	dB/m at 12	GHz	12.22



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#### 3. NOTE

Use tool part# M19201.

The connector to be engaged and disengaged should be inserted or pulled out to the vertical direction.

# 4. ACAUTION

Limitation of Applications

Please do not use our products for the applications listed below which require specially high reliability for the prevention of defects which may directly or indirectly cause damage to the third party's life, body or property.

- (1) Aircraft equipment
- (2) Aerospace equipment
- (3) Undersea equipment
- (4) Power plant control equipment
- (5) Medical equipment
- (6) Transportation equipment (vehicles, trains, ships, etc.)
- (7) Traffic signal equipment
- (8) Disaster prevention / crime prevention equipment
- (9) Data-processing equipment
- (10) Application of similar complexity and/or reliability requirements to the applications listed in the above.