![muRata logo]

Preliminary Specification of COAXIAL CONNECTOR

Written by	I.Gan
Checked by	T. Kuriyama
Date	28/Jul./2016

Preliminary SPEC No.　　　　: NMM04-PL0185

Part Number　　　　　　　: MXLF56LF1000

SPECIFICATION

1.　MECHANICAL
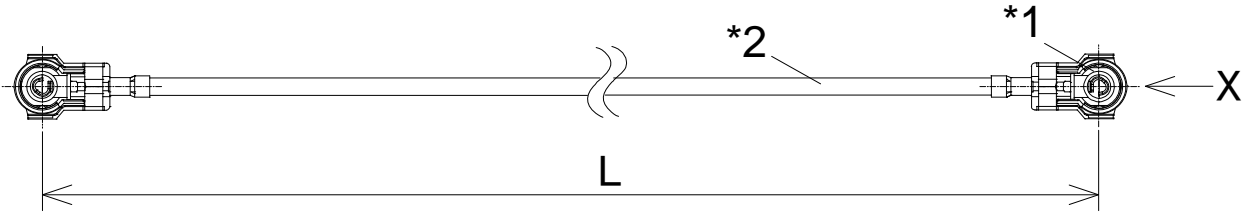
*1: Connector: LSC right angle plug connector
*2: Cable

0 +/- 45 degree

See X

Scale: Free
Unit: mm

L
100 +/- 3

2.　CABLE :

	Item	Specification
2.1	Voltage Rating	30V r.m.s. maximum
2.2	Nominal Frequency Range	DC to 6 GHz
2.3	Nominal Impedance	50Ω
2.4	Temperature Rating	-40°C to +85°C
2.5	Used Cable	0.3D Single shield PFA cable

Item		Unit	Construction
Inner conductor	Material	-	Silver plated copper wire
	No. and Dia.	(No./mm)	7/0.04
	Total Dia.	(mm)	0.12
Insulator	Material	-	PFA+Bind tape
	Total Dia.	(mm)	PFA:0.325, (PFA+tape:0.345)
Outer conductor	Material	-	Silver plated copper wire
	Dia. of wire	(mm)	0.04
Sheath	Material	-	PFA(Black)
	Nominal thickness.	(mm)	0.05
Overall Dia.		(mm)	0.53
Minimum Bending Radius		(mm)	2.0
Nominal Insertion loss	dB/m at 1GHz		3.42
	dB/m at 2GHz		4.85
	dB/m at 3GHz		5.94
	dB/m at 4GHz		6.87
	dB/m at 6GHz		8.55

SPECIFICATION

3.   NOTE

Use tool part# M19603 or M19607.

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

4.   ⚠CAUTION

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.