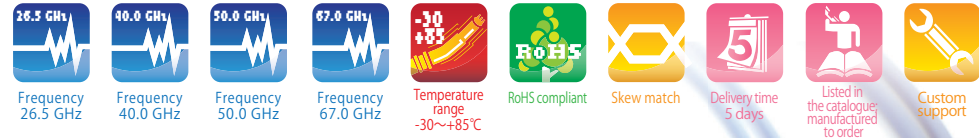


6 SERIES

621, 641, 651, 661



Property

	MWX621	MWX641	MWX651	MWX661
Maximum operating frequency	26.5GHz	40.0GHz	50.0GHz	67.0GHz
Characteristics impedance (typ.)	50±1Ω	50±1Ω	50±1Ω	50±1Ω
Propagation delay (typ.)	4.4ns/m	4.35ns/m	4.36ns/m	4.38ns/m
VSWR (one end / both ends)	1.153/1.33	1.197/1.43	1.197/1.43	1.197/1.43
Typical insertion loss	1.4dB/m (26.5GHz)	3.0dB/m (40.0GHz)	3.8 dB/m (50.0GHz)	5.6dB/m (67.0GHz)
Skew (between pair cables)	1ps	1ps	1ps	1ps
Phase deviation (between pair cables : @1GHz)	0.3°	0.3°	0.3°	0.3°
Cable outer diameter	6.0mm	4.1mm	3.7mm	2.6mm
Cable mass (typ.)	64g/m	35g/m	29g/m	17g/m
Continuous operating temperature range	-30~+85°C	-30~+85°C	-30~+85°C	-30~+85°C
Applicable connector	SMA(m) 3.5mm(m), 3.5mm(f)	2.92mm(m), 2.92mm(f)	2.4mm(m), 2.4mm(f) 2.92mm(m), 2.92mm(f)	1.85mm(m), 1.85mm(f)
Assembly length	200~1,500mm	200~1,500mm	200~1,500mm	200~1,500mm

Order form example

Please provide the following information when placing an order.

* We supply MWX6 series one pair of two cables.
* See P.81*Connector combination codes*

Example MWX621

Assembly length: 1000mm
Connector I : 3.5mm (f) straight
Connector II : 3.5mm (m) straight

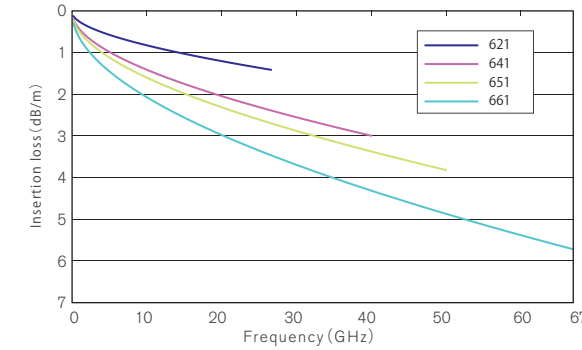
Catalog No.
MWX621-01000DFSDMS/PAIR



- a: Cable
- b: Assembly length
- c: Connector
- d: Armored

Technical Data

6 Series Typical insertion loss



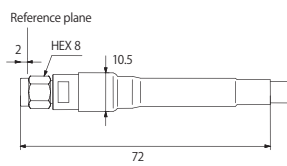
	621	641	651	661
18.5GHz	1.2dB/m	1.8dB/m	2.1dB/m	2.9dB/m
Maximum frequency	1.4dB/m	3.0dB/m	3.8dB/m	5.6dB/m

621	● Typical insertion loss (0.0077xf(GHz)+0.2304×√f(GHz)+0.02) ×L(m)	● Maximum insertion loss (0.0077xf(GHz)+0.2304×√f(GHz)+0.02) ×1.12×L(m)
641	● Typical insertion loss (0.0095xf(GHz)+0.41×√f(GHz)+0.02) ×L(m)	● Maximum insertion loss (0.0095xf(GHz)+0.41×√f(GHz)+0.02) ×1.12×L(m)
651	● Typical insertion loss (0.0095xf(GHz)+0.47×√f(GHz)+0.02) ×L(m)	● Maximum insertion loss (0.0095xf(GHz)+0.47×√f(GHz)+0.02) ×1.12×L(m)
661	● Typical insertion loss (0.0095xf(GHz)+0.6148×√f(GHz)+0.02) ×L(m)	● Maximum insertion loss (0.0095xf(GHz)+0.6148×√f(GHz)+0.02) ×1.12×L(m)

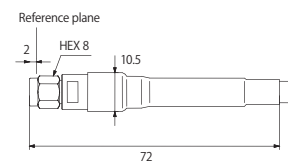
Connector

621

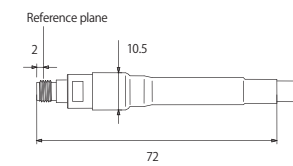
SMA (m) straight (Code: AMS)
Maximum operating frequency: 18.5 GHz z / Mass: 11g



3.5mm (m) straight (Code: DMS)
Maximum operating frequency: 26.5GHz z / Mass: 11g

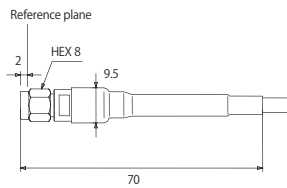


3.5mm (f) straight (Code: DFS)
Maximum operating frequency: 26.5 GHz z / Mass: 10g

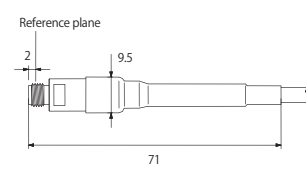


641

2.92mm (m) straight (Code: KMS)
Maximum operating frequency: 40.0 GHz z / Mass: 8g

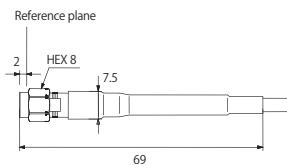


2.92mm (f) straight (Code: KFS)
Maximum operating frequency: 40.0 GHz z / Mass: 8g

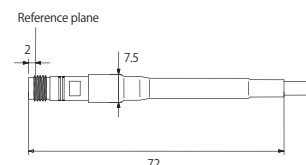


651

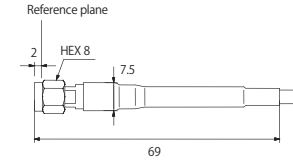
2.4mm (m) straight (Code: LMS)
Maximum operating frequency: 50.0 GHz z / Mass: 5g



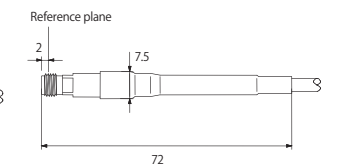
2.4mm (f) straight (Code: LFS)
Maximum operating frequency: 50.0 GHz z / Mass: 5g



2.92mm (m) straight (Code: KMS)
Maximum operating frequency: 40.0 GHz z / Mass: 5g

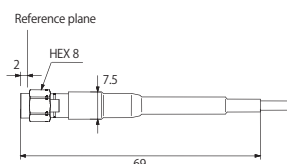


2.92mm (m) straight (Code: KFS)
Maximum operating frequency: 40.0 GHz z / Mass: 5g



661

1.85mm (m) straight (Code: VMS)
Maximum operating frequency: 67.0 GHz z / Mass: 6g



1.85mm (f) straight (Code: VFS)
Maximum operating frequency: 67.0 GHz z / Mass: 6g

