

# MWX221

DC~26.5 GHz



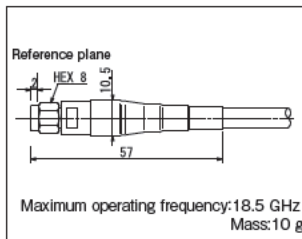
## Basic Cable Properties

Electrical properties	
Maximum operating frequency	26.5 GHz
Characteristic impedance	50±1 Ω
Capacitance (typ.)	88 pF/m
Propagation delay (typ.)	4.4 ns/m
Shortening coefficient of wavelength (typ.)	76 %
Higher mode frequency (typ.)	27.5 GHz
VSWR (per connector/both ends of assy.)	1.153/1.33

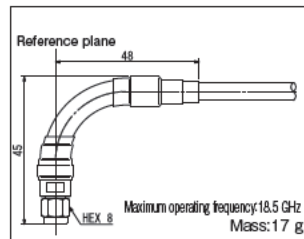
Mechanical properties	Standard type	Armored type
Cable outer diameter	6.0 mm	12.5 mm
Minimum bending radius (inner side)	20 mm	20 mm
Cable mass (typ.)	64 g/m	212 g/m
Continuous operating temperature range	-30~+85 °C	-30~+85 °C
Armored side pressure	—	196 N/cm

## Connector

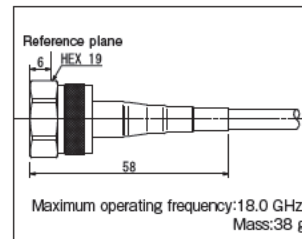
SMA (m) straight (Code:AMS)



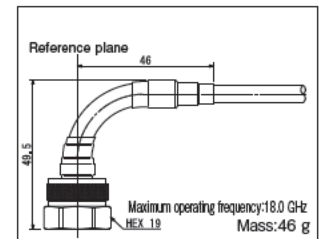
SMA (m) swept (Code:AMW)<sup>(\*)</sup>



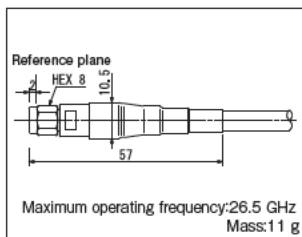
N (m) straight (Code:NMS)



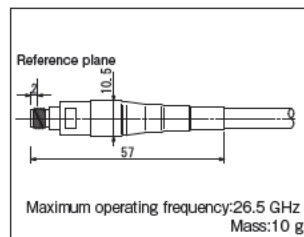
N (m) swept (Code:NMW)<sup>(\*)</sup>



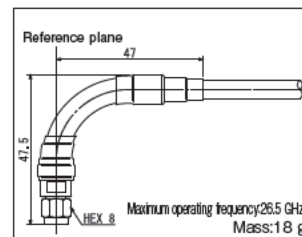
3.5 mm (m) straight (Code:DMS)



3.5 mm (f) straight (Code:DFS)



3.5 mm (m) swept (Code:DMW)<sup>(\*)</sup>



(\*1) Swept is not available to armored type.

## Order form example

### ● Example 1

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

Catalog No.:  
 MWX221-01000AMSDMS  
 (See P.32 "Connector combination codes")

### ● Example 2 MWX221 Armored type

Assembly length : 1500 mm  
 Connector I : N (m) straight  
 Connector II : N (m) straight

Catalog No.:  
 MWX221-01500NMSNMS/B