

New Products

Coaxial Connector MCX and PMT Series Good for Personal Navigation Devices (PND) Usage

MCX series are coaxial connectors that are compatible with IEC61169-36 standard and PMT series are the DDK original connectors that have the same features as MCX series.

Those types have 'small', 'low insertion and withdrawal force' and 'long durability' features for easy use by general users without using special tools.

Also, these features enable to apply to antenna assembly corresponding to digital terrestrial broadcasting, GPS and VICS of PND that can be frequently inserted and withdrawn.

By combining these plug-and-jack connectors, antennas of digital terrestrial broadcasting, GPS and VICS can be arranged differently to prevent mismatching.

Also, both are designed to save more space than does the SMB-type connector and are suitable for other high-density devices.

Features

- Lower insertion and withdrawal force: 20 N max. (actual value), capable of insertion and withdrawal without tools
- Long durability: 5000 mating cycles, 10 times more durable than SMB-type connectors
- Prevents mismatching: Provides combinations of MCX jack connector for digital terrestrial broadcasting, MCX plug for GPS and PMT jack connector for VICS that prevent mismatching of three antennas.

Table. Specifications.

Item	Standard
Characteristic impedance	50 Ω
Dielectric withstanding voltage	500 V AC(r.m.s.)for1 minute
Insulation resistance	1000 MΩ Min. at 500 V DC
Frequency range	DC to 3 GHz
Mating height	15 mm Mating height (Reference) MCX-SR-PC and MCX-LP-1.5DHQS-CR1-1

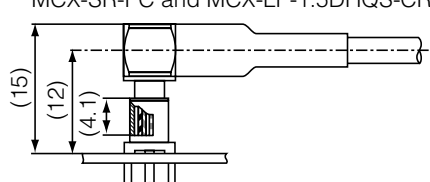
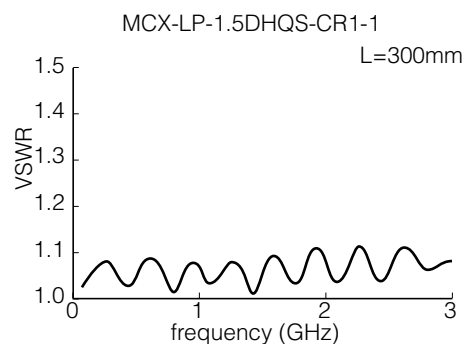



Fig. 1. VSWR.

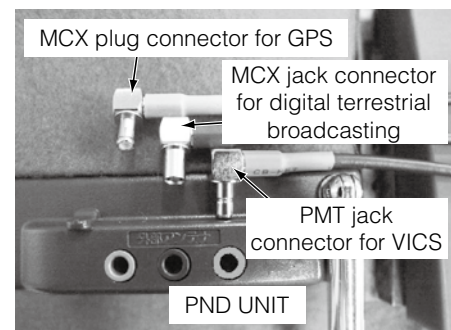


Fig. 2. Product appearance picture.

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