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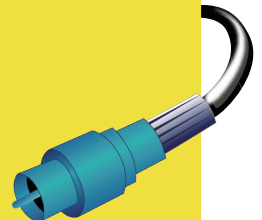
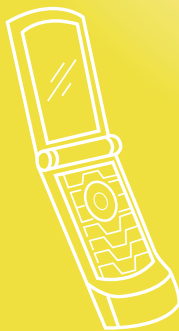


PRODUCT SPECIFICATION

I-PEX MHF Micro Coaxial Connector

Plug
P/N 20278-112R-**

Receptacle
P/N 20279-0001E-01



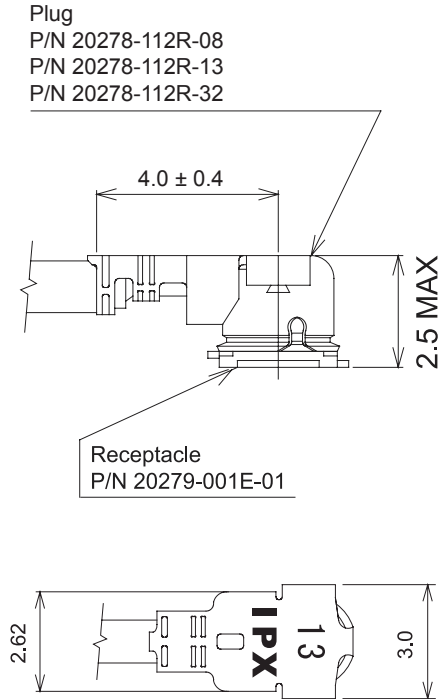
RF Connector, RF Cable & Antenna Manufacturer

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I-PEX MHF Micro Coaxial Connector

Mating Height: 2.5 mm MAX

Structure Figure



Major Application

- Wireless LAN Antenna
- Cellular Phone
- Note Book Computer
- Game Equipment
- Digital Appliance
- Access Point

Ratings

Rated voltage	AC60Vr.m.s
Nominal characteristic impedance	50 Ω
Frequency	DC~6 GHz
VSWR	Plug
	1.3 MAX at 0.1~3GHz
	1.5 MAX at 3~6GHz
	Receptacle
	1.3 MAX at 0.1~3GHz
	1.4 MAX at 3~6GHz
Service Temperature	233~363K(-40°C~+90°C)

Applicable cable



Part No.	20278-111R-08 20278-112R-08	20278-111R-13 20278-112R-13	20278-111R-32 20278-112R-32
Compatible to	Hirose U.FL LP-040	Hirose U.FL LP-068	Hirose U.FL LP-066
Conductor	AWG#36(7/0.05)	AWG#32(7/0.08)	AWG#32(7/0.08)
	Silver plating annealed copper wire or silver plating tin-copper alloy		
Insulation	Fluoro-plastics		
	Diameter 0.4(+0.04,-0.02)mm Nominal thickness 0.123mm	Diameter 0.68(+0.04,-0.02)mm Nominal thickness 0.22mm	Diameter 0.66(+0.05,-0.05)mm Nominal thickness 0.21mm
Braid	8/5/0.05 Nominal diameter 0.65mm	16/4/0.05 Nominal diameter 0.93mm	Braid 1: 16/5/0.05 Braid 2: 16/6/0.05 Nominal diameter 1.12mm
	Silver plating annealed copper wire	Silver plating annealed copper wire	tin plating annealed copper wire
Jacket	Fluoro-plastics		
	Diameter 0.81(+0.04,-0.02)mm Nominal thickness 0.08mm	Diameter 1.13(+0.08,-0.05)mm Nominal thickness 0.1mm	Diameter 1.32(+0.1,-0.1)mm Nominal thickness 0.1mm
Characteristic impedance	50(+2,-2)ohm by TDR method		
Nominal capacitance	96 pF/m	97 pF/m	95 pF/m
Conductor resistance of inner conductor at 293K (20°C)	1400 ohm/km	520 ohm/km	520 ohm/km
Insulation resistance	1000 mega-ohm.km MIN.	1500 mega-ohm.km MIN.	1500 mega-ohm.km MIN.
Dielectric withstand voltage	no breakdown at AC1000V for 1 minutes.		