

U.FL(f) to QMA(f), LP-088, 20 cm AM-88-UQ20



SECTRON company offers a wide portfolio of high-quality handmade cable adaptors in various versions for M2M applications.

SECTRON product portfolio includes brand connectors and coaxial cables in diameters from 0.8 mm to 10 mm suitable for frequencies up to 6 GHz. Using the latest technologies and our experience in the field, we will manufacture and test each RF cable adaptor exactly for your device.

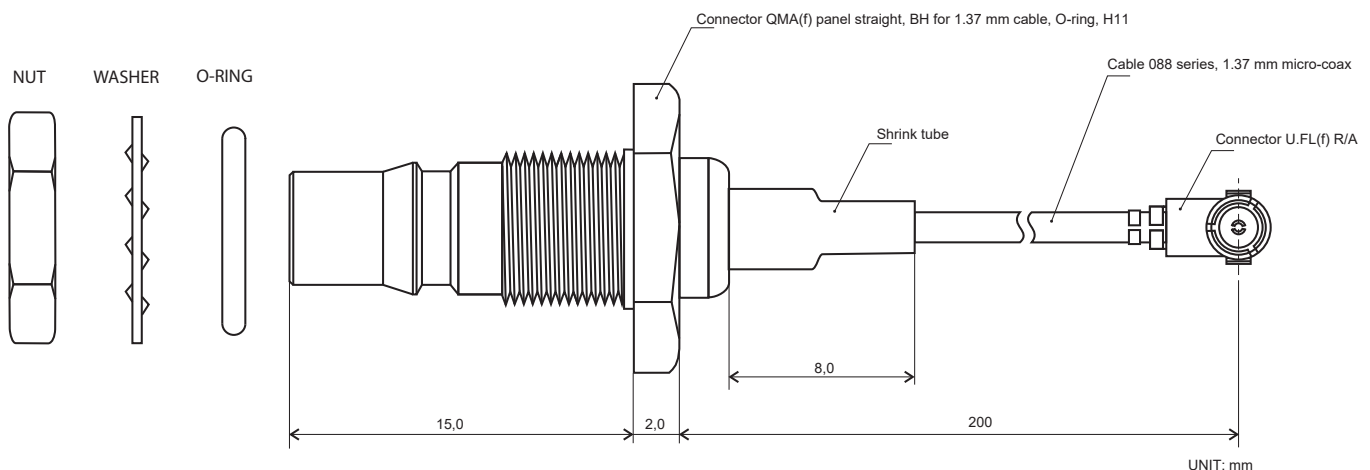
BENEFITS

- High reliability thanks to precise design
- Low Insertion loss
- Low VSWR

FEATURES

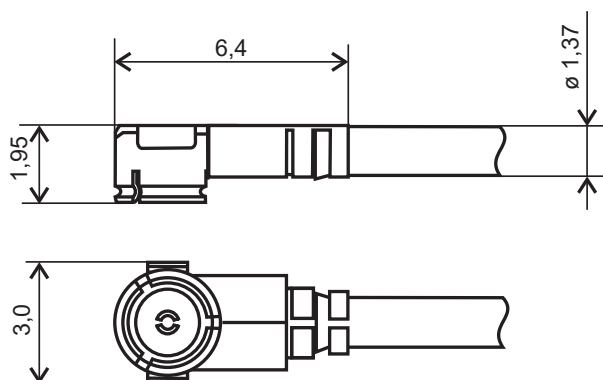
Frequency range	Up to 3 GHz
Impedance	$50 \pm 2 \text{ Ohm}$
Insulation resistance	500 M Ω min.
Maximum VSWR	< 1.30:1 / 3 GHz
Maximum Insertion Loss	-0.75 dB / 3GHz
Voltage power	30 V
Maximum operating voltage	200 V AC/1 min
Cable type	Cable 088 series, Diameter 1.37 mm micro coax
Cable length	0.2 m
Connector type A	QMA(f) panel straight, BH for 1.37 mm cable, O-ring, H11
Connector type B	U.FL-LP-088
Operating temperature	-40 °C to +90 °C
Weight	4.8 g
Certification	RoHS

DRAWING - ADAPTOR



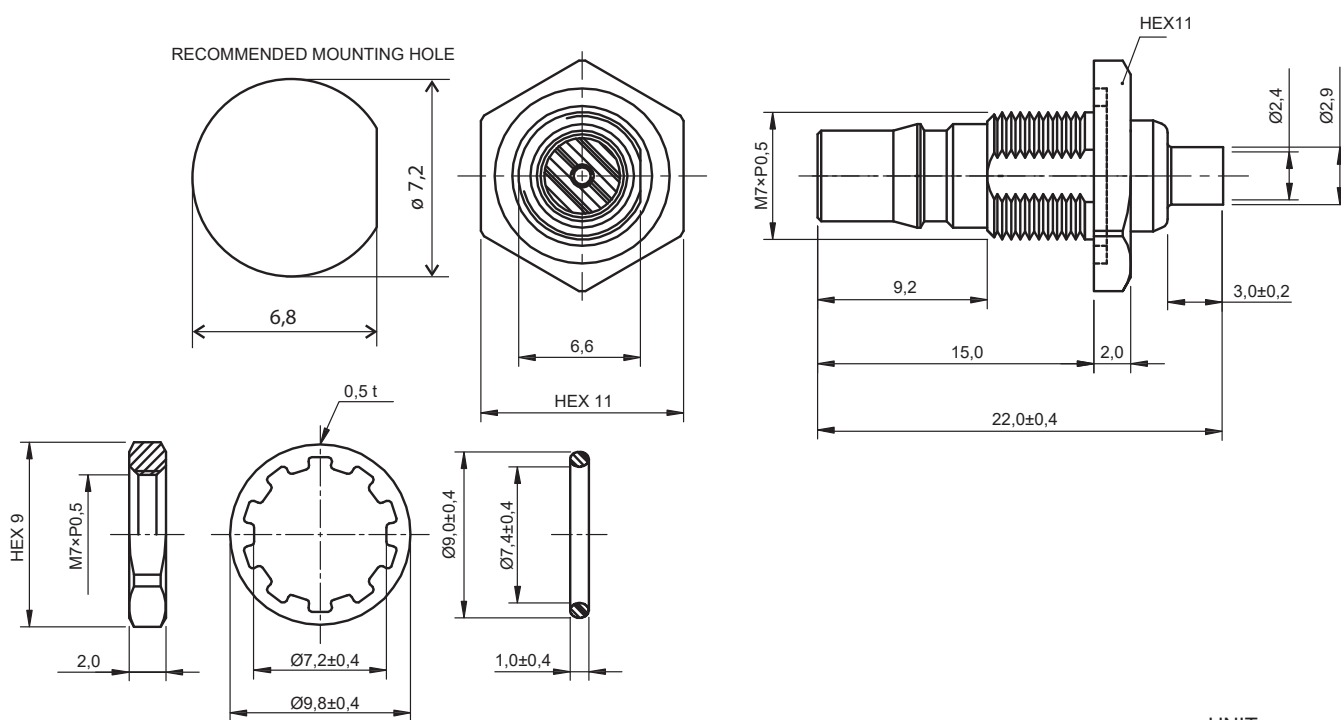
CONNECTORS PARAMETERS

Connector U.FL-LP-088



UNIT: mm

Connector QMA(f) panel straight, BH for 1.37 mm cable, O-ring, H11

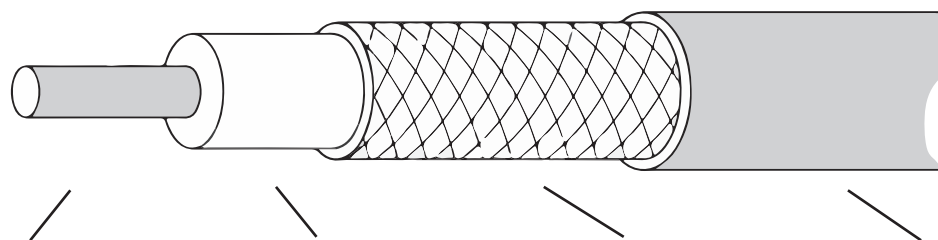


UNIT: mm

U.FL connector material	
Shell	PH Bronze, Silver plated
Female Center Contact	PH Bronze, Gold plated
Insulator	Polybutylene terephthalate (PBT)
Mating Cycles	30 cycles

QMA connector material	
Body	Brass, Nickel plated
Center pin	PH Bronze, Gold plated
Gasket (O-ring)	Red Silicone Rubber
Ferrule	Brass, Nickel plated
Insulator	Teflon
Washer	Steel, Nickel plated
Nut	Brass, Nickel plated
Mating Cycles	100 cycles

CABLE PARAMETERS

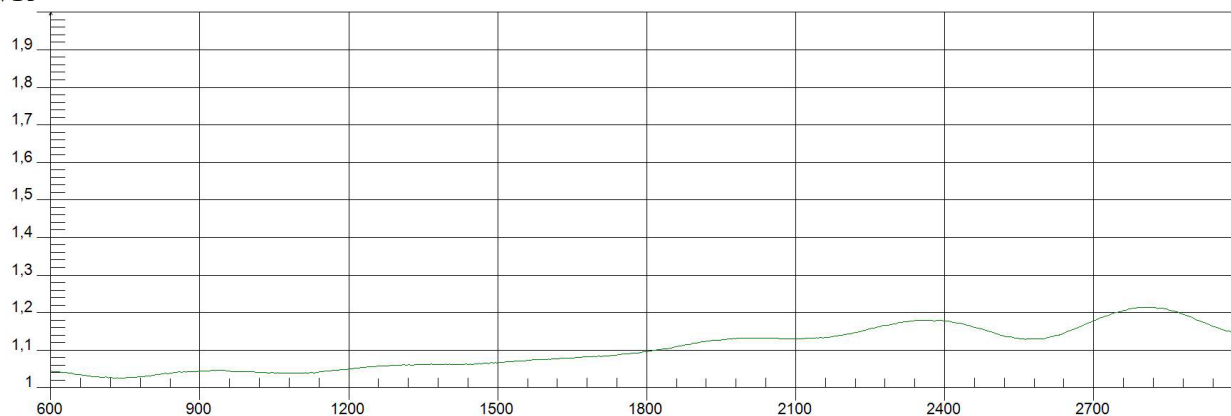


Inner Conductor	Insulation	Braid shield	Jacket
Material: Silver-plated Cu wire	Material: FEP	Material: Tinned Cu wire	Material: FEP
Stranding: 7×0.102 mm		Type braid: 16×0.05 mm	
Outer diameter: 0.31 mm	Outer diameter: 0.9±0.03 mm	Outer diameter: 1.13±0.05 mm	Outer diameter: 1.37±0.1 mm

ADAPTOR MEASUREMENT

GRAPH VSWR - VOLTAGE STANDING WAVE RATIO [-]

VSWR



GRAPH S12 - INSERTION LOSS [dB]

dB

