

## U.FL(f) to SMA(f) PCB mount cable straight THD, LP-088, 10 cm AM-88-USPCB10



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.

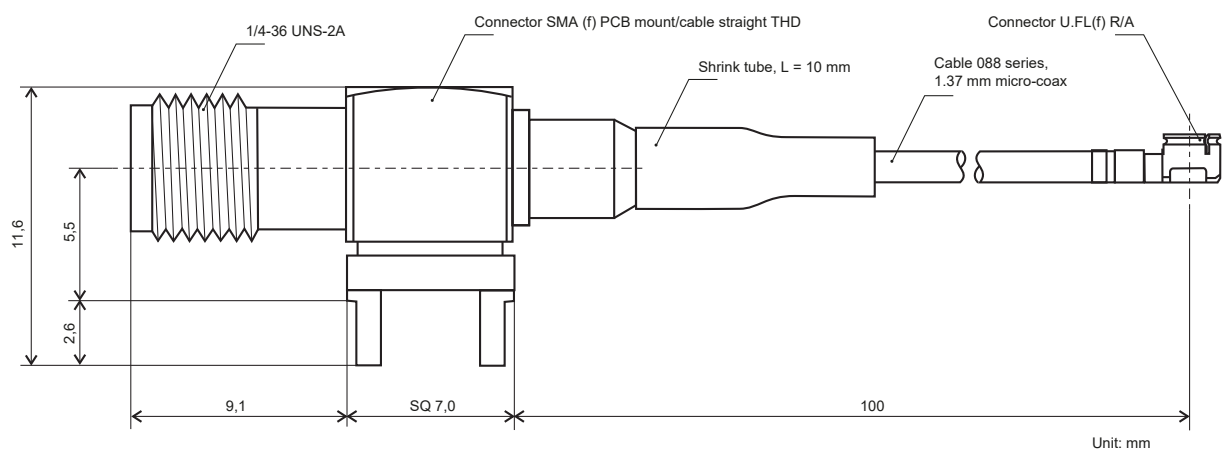
### BENEFITS

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

### FEATURES

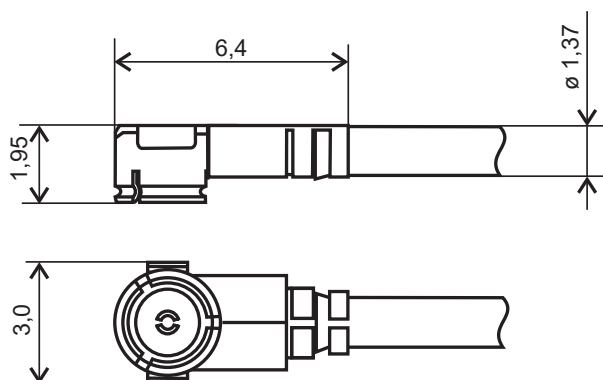
Frequency range	Up to 6 GHz
Impedance	50 ± 2 Ohm
Insulation resistance	500 MΩ min.
Maximum VSWR	< 1.20:1 / 3 GHz
Maximum Insertion Loss	-0.45 dB / 3 GHz
Voltage power	30 V
Maximum operating voltage	200 V AC/1 min
Cable type	Cable 088 series, Diameter 1.37 mm micro coax
Cable length	0.1 m
Connector type A	SMA (f) straight, PCB mount for 1.37 mm cable, THD
Connector type B	U.FL-LP-088
Operating temperature	-40 °C to +90 °C
Weight	5.12 g
Certification	RoHS

### DRAWING



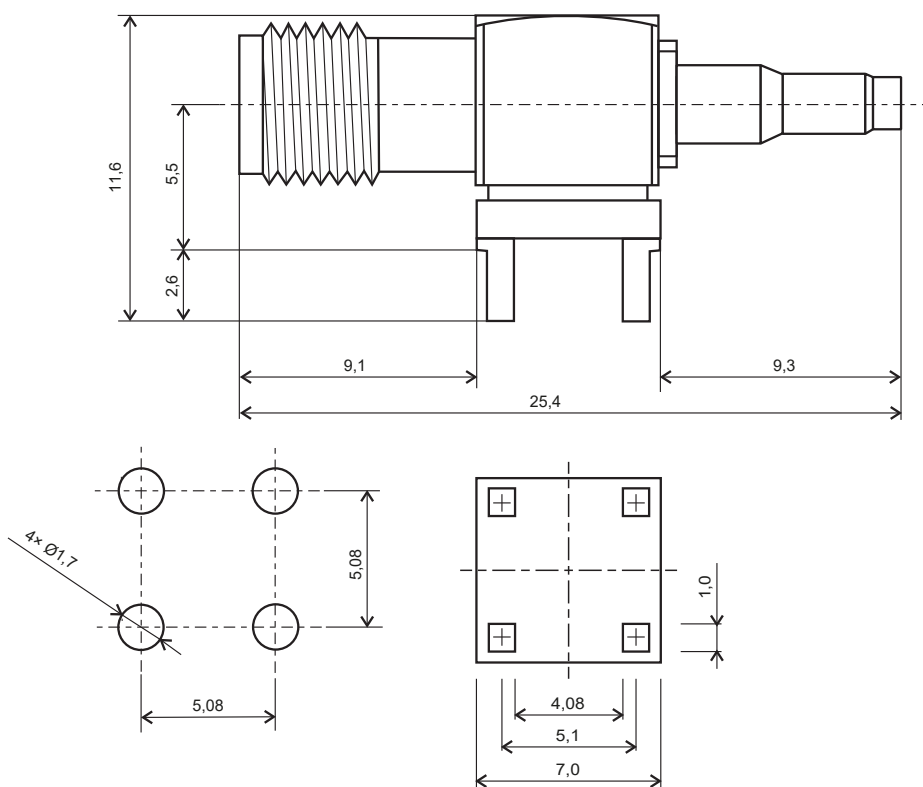
# CONNECTORS PARAMETERS

Connector U.FL-LP-088



UNIT: mm

Connector SMA (f) straight, PCB mount for 1.37 mm cable, THD



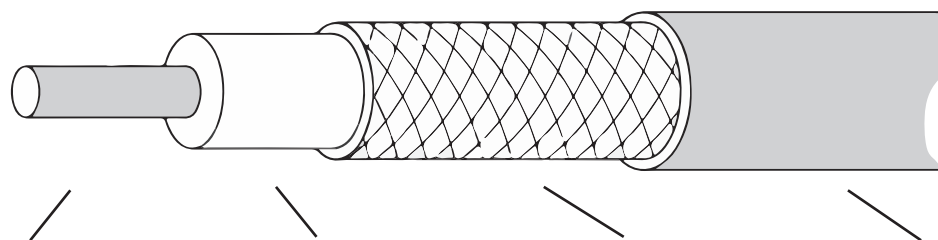
RECOMMENDED PCB HOLE

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

SMA connector material	
Body	Brass, Gold flash
Contact	Beryllium copper/Gold plated
Insulator	PTFE
Ferrule	Brass, Gold
Shell	Brass, Gold
Cover	Brass, Gold
Mating Cycles	500 cycles

## CABLE PARAMETERS

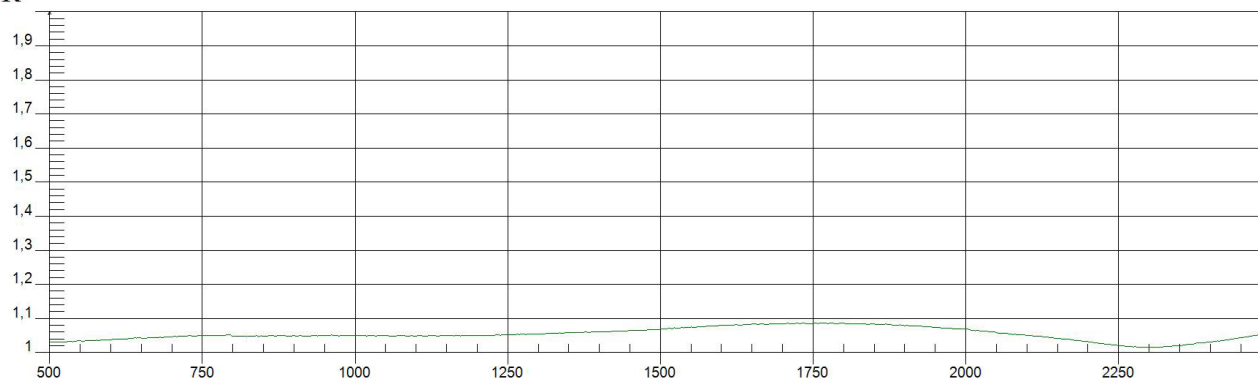


Inner Conductor	Insulation	Braid shield	Jacket
Material: Silver-plated Cu wire	Material: FEP	Material: Tinned Cu wire	Material: FEP
Stranding: 7×0.102 mm		Type braid: 16×6×0.05 mm	
Outer diameter: 0.31 mm	Outer diameter: 0.9±0.03 mm	Outer diameter: 1.13±0.05 mm	Outer diameter: 1.37±0.1 mm

## ADAPTOR MEASUREMENT

**GRAPH VSWR - VOLTAGE STANDING WAVE RATIO [-]**

VSWR



**GRAPH S12 - INSERTION LOSS [dB]**

dB

