

U.FL(f) to SMA(f), LP-088, 99 cm **AM-88-KAUS100**



“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.

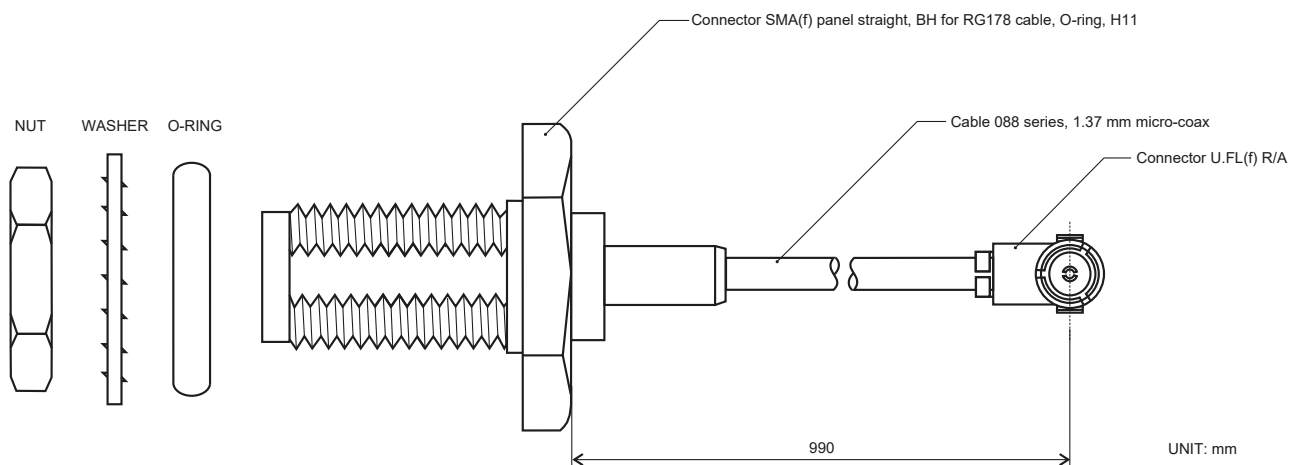
BENEFITS

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

FEATURES

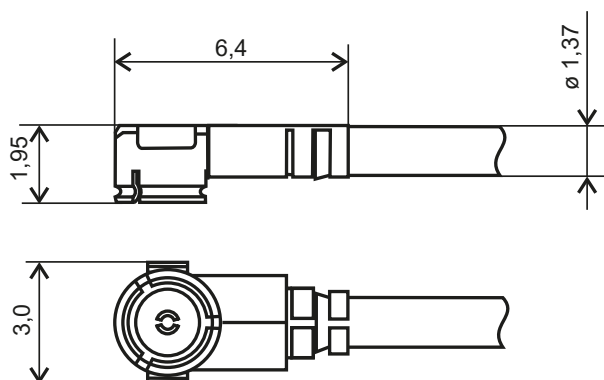
Frequency range	Up to 3 GHz
Impedance	$50 \pm 2 \text{ Ohm}$
Maximum VSWR	$< 1.25:1 / 3 \text{ GHz}$
Maximum Insertion Loss	$-3.0 \text{ dB} / 3 \text{ GHz}$
Voltage power	30 V
Maximum operating voltage	200 V AC/1 min
Cable type	Cable 088 series, Diameter 1.37 mm micro coax
Cable length	0.99 m
Connector type A	SMA(f) panel straight, BH for RG178 cable, O-ring, H11
Connector type B	U.FL-LP-088
Operating temperature	-40°C to $+90^\circ\text{C}$
Weight	7.95 g
Certification	RoHS

DRAWING - ADAPTOR



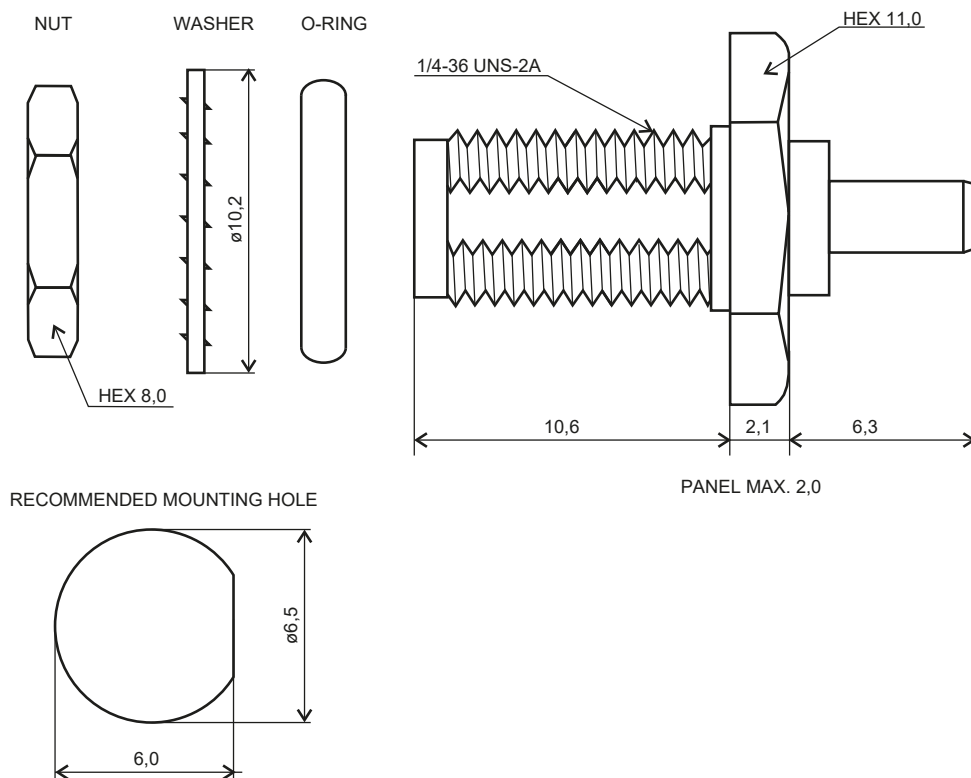
CONNECTORS PARAMETERS

Connector U.FL-LP-088



UNIT: mm

Connector SMA(f) panel straight, BH for RG178 cable, O-ring, H11



UNIT: mm

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

SMA connector material	
Body	Brass, Gold plated
Contact	Beryllium copper, Gold plated
Lock Washer	Brass, Gold plated
Nut	Brass, Gold plated
Insulator	Teflon
Ferrule	Brass, Gold plated
Gasket	Red Silicone Rubber
Mating Cycles	500 cycles

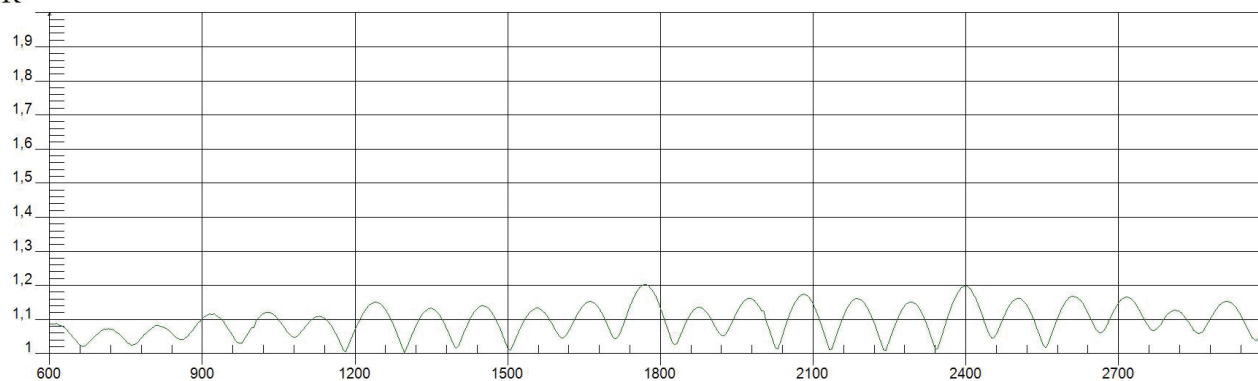
CABLE PARAMETERS

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

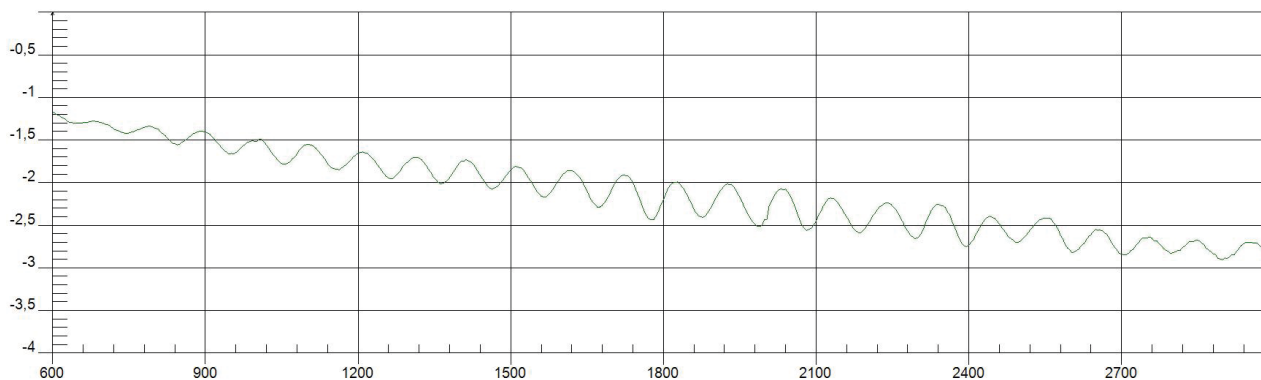
GRAPH VSWR - VOLTAGE STANDING WAVE RATIO [-]

VSWR



GRAPH S12 - INSERTION LOSS [dB]

dB



GRAPH S12 - RETURN LOSS [dB]

dB

