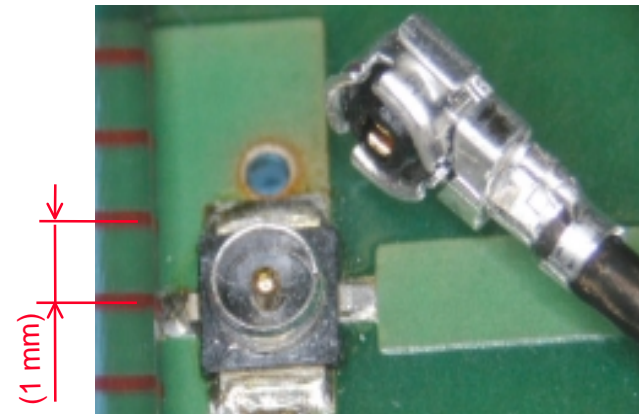
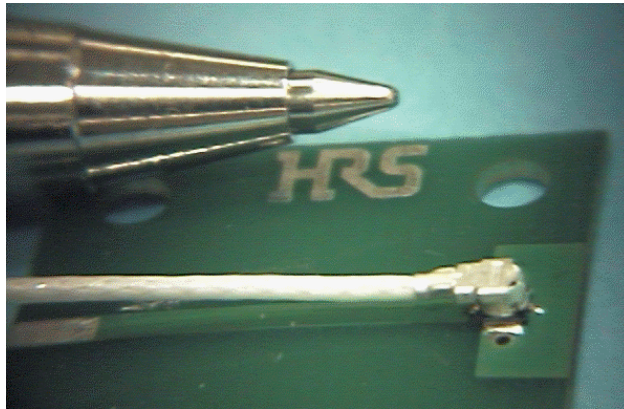


W.FL Series

Low Profile 'Wonder' Coaxial Connectors for Minimal Mounting Space



Features

1. The World Smallest Coaxial Connector*

*data as of Nov., 2000

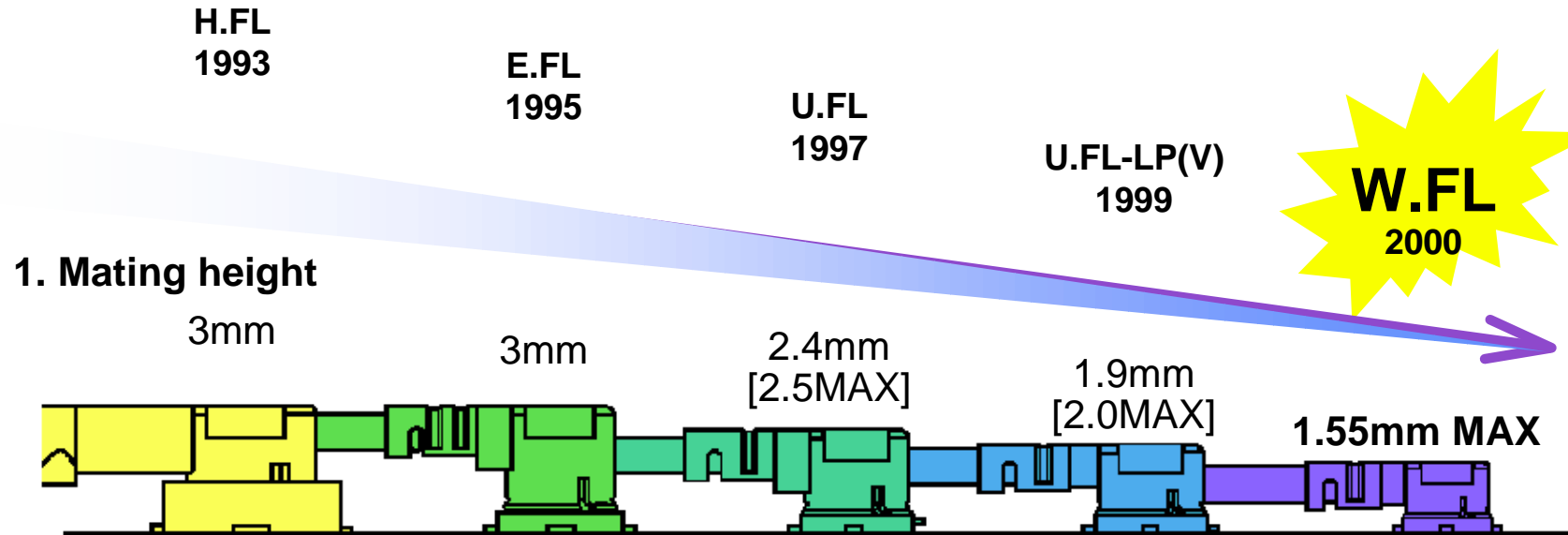
Small mounting surface: 3.4mm² (for receptacle)

Low mating height: 1.55mm Max.

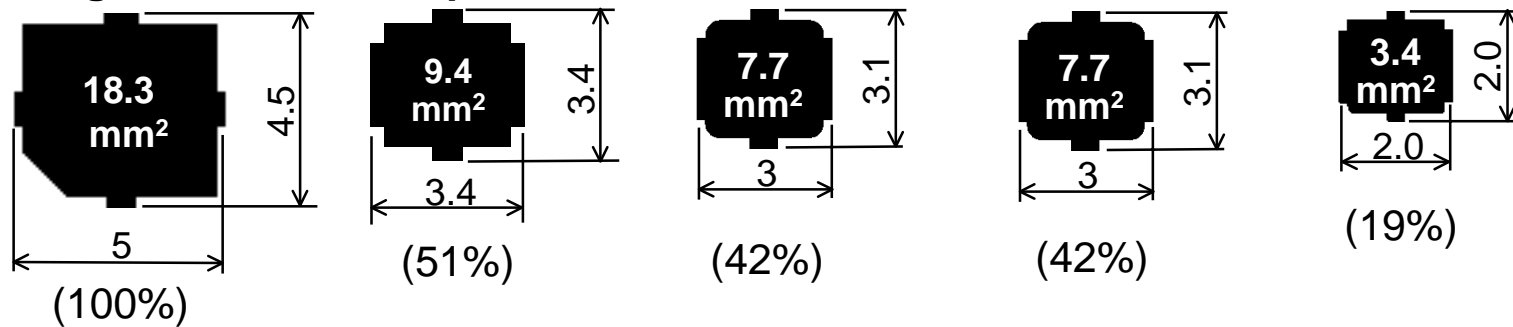
2. High Frequency Performance: VSWR: 1.3 Max. [Up to 3GHz]
3. Extra Fine Cable: ϕ 0.8mm external diameter
4. User Friendly: Click feeling when fully mated
5. Application Examples:

Mobile phone, PDA, Bluetooth and other wireless communication devices

FL Series History of Downsizing



2. Mounting Surface for receptacle



The World Smallest*

Short Plug, Small Mounting Surface and Low Mating Height

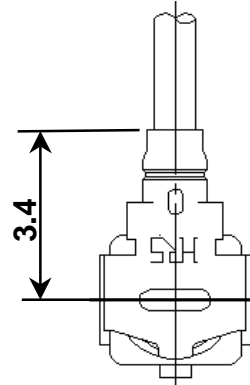
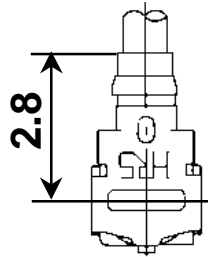
*data as of Nov., 2000

W.FL

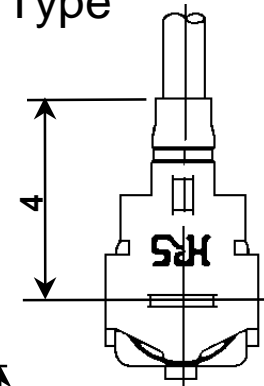
U.FL-LP(V)

U.FL

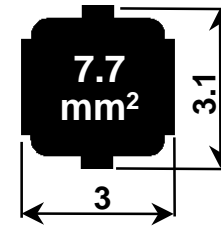
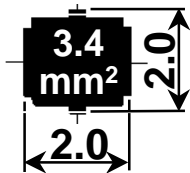
Plug Length



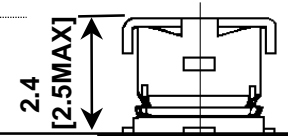
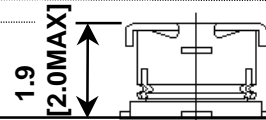
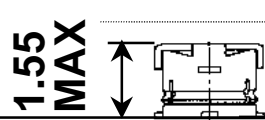
Conventional Type



Mounting Surface for Receptacle

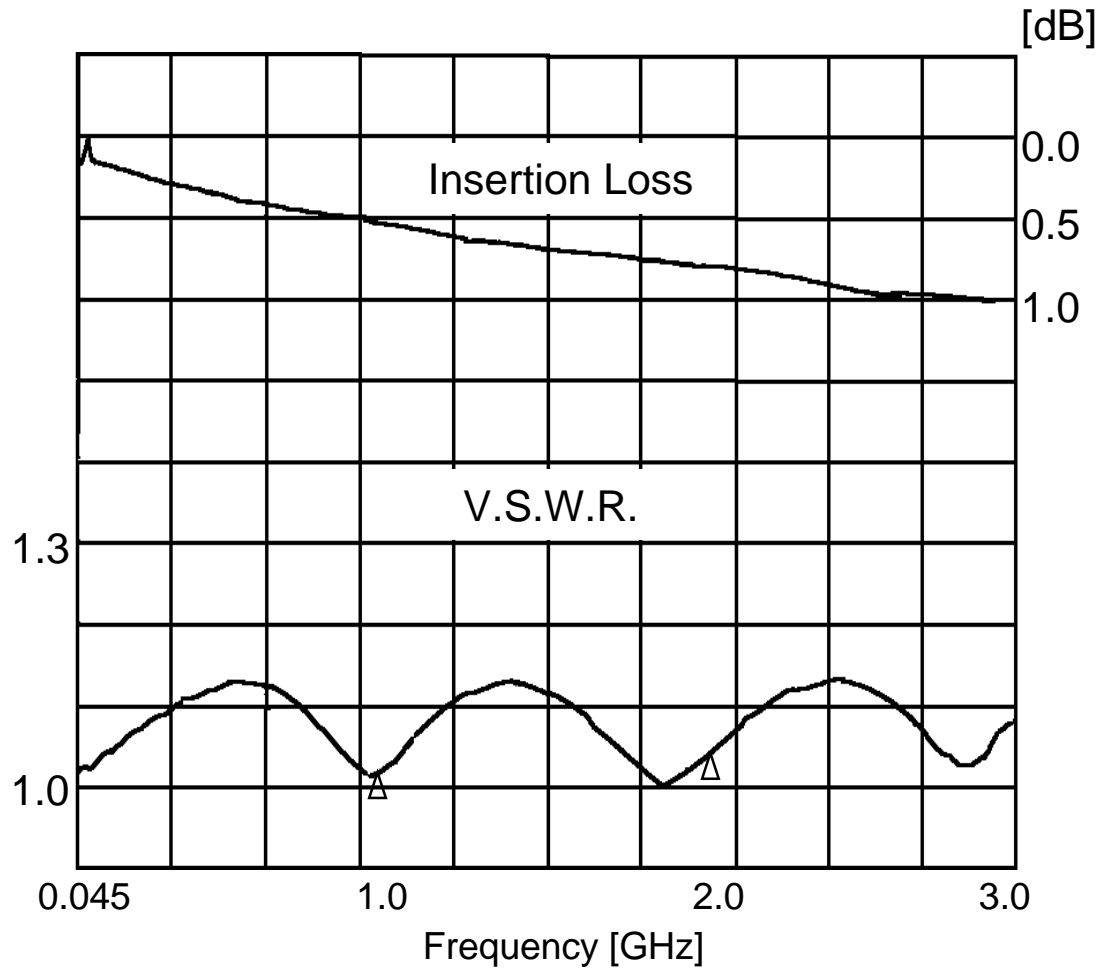
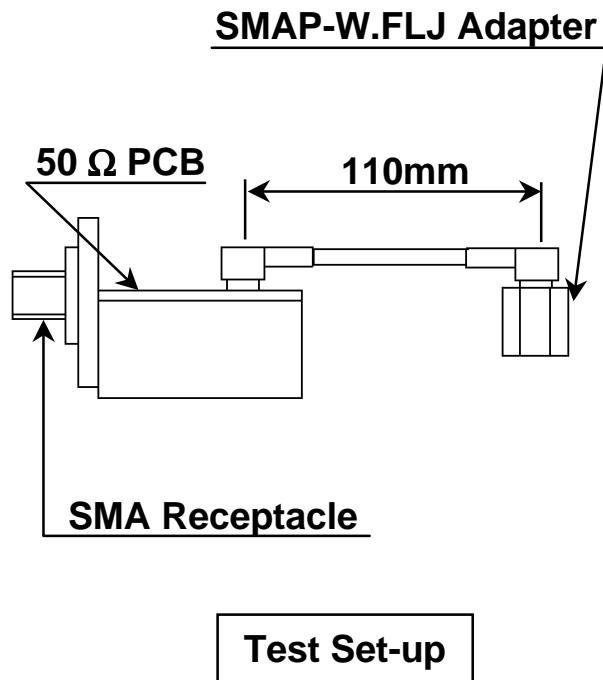


Mating Height

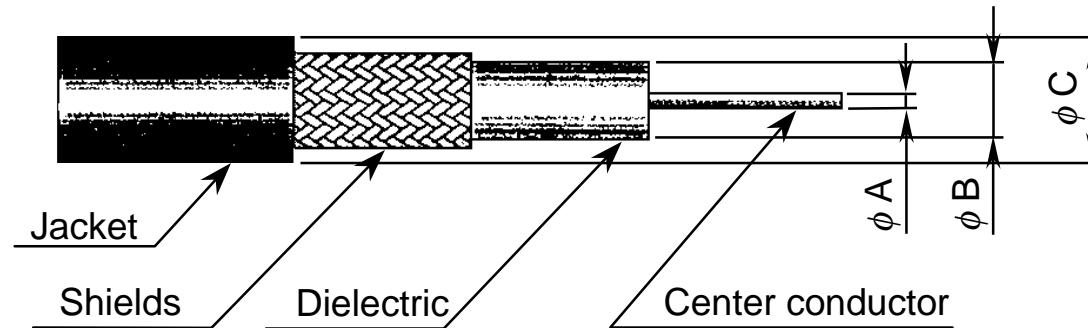


Note: All dimensions in millimeters.

V.S.W.R. and Insertion Loss (Typical)



Specified Cable



Connector Name	Cable Dimensions [mm]			Cable Supplier and Part No.
	ϕA	ϕB	ϕC	
W.FL-LP-040	AWG 36 (7/0.05)	0.4	0.8	J12B0964: JUNKOSHA CO., LTD. RF-MF5010: NISSEI ELECTRIC CO., LTD.

Note: Use specified cables. Similar cables produced by other manufacturers often differ in dimensional tolerance, material, etc.

Specifications

Material and Finish

ITEM	MATERIAL	FINISH
Shell	Phosphor bronze	Silver plating
Insulator	PBT polymer (Plug side) LCP (Receptacle side)	94V-0 94V-0
Male Contact	Brass	Gold plating
Female Contact	Phosphor bronze	Gold plating

Performance Characteristics

Contact Resistance	20m Ω (Inner), 10m Ω (Outer) at 10mA DC
Withstanding Voltage	200V AC r.m.s for 1 minute
Insulation Resistance	500M Ω min. at 100V DC
Durability	20 cycles
Characteristic Impedance	50 Ω
V.S.W.R	1.3 max. at DC - 3GHz