

FEATURES & BENEFITS

Easy snap-on/off mating

Ultra low-profile

(1.4 mm mating height vs. 2.5 mm AMC)

Small footprint

(2 mm x 2 mm vs. 3 mm x 3 mm AMC)

100% Compatible with Hirose W. FL series

APPLICATIONS

WLAN

Notebook Computers

Remote Measuring Equipment

Bluetooth

GPS

PDA

EVDO and EVDV PCMCIA Cards

Portable Devices



Amphenol manufactures a family of Amphenol Micro Miniature Coaxial (AMMC) Connectors for use in applications with 50 Ohm impedance requirements. AMMC connectors are low profile (1.4 mm of the board) and offer an extremely small board footprint (2 mm x 2 mm). This series is 100% compatible with the W.FL interface.

Specifications

Electrical

Impedance	50Ω, nominal
Frequency Range	DC - 6 GHz
Contact Resistance	Center Contact: 20 mΩ Max. Outer Contact: 10 mΩ Max.
Insulation Resistance	500 mΩ Min.
Operating Voltage:	500 VRMS
DWV:	No line or insulation breakdown: 200 VAC for 1 Min.
VSWR:	1.3 Max. at DC - 3 GHz, 1.35 Max. at 3 - 6 GHz.

Mechanical

Durability	20 cycles
Temperature Range	-40° to +90°C
Mating Withdrawl Force	2N - 10N

Material

Connector Body	Phosphor bronze, silver plated (.08u min.) over copper (1-2u)
Connector Center Contact	Phosphor bronze, gold plated (0.2u min.) over nickel (2-3u)
Connector Insulator	PBT
Cable Jacket	FEP
Cable Dielectric	FEP
Cable Center Conductor	32 AWG annealed copper wire stranded, silver plated
Cable Outer Conductor	Annealed copper wire braid, silver plated

For your convenience, please use the part numbering system below to create your own part number:

A-2PAV081-XXXYZ

A: Series Name (A=AMMC)

2PA: Plug

V: Connector Orientation

- (dash) - Both the Same Direction
- C - 90 deg. Clockwise Offset
- F - 180 deg. Offset
- R - 270 deg. Offset

Cable Diameter (OD): 0.081 - 8.1 mm

XXX: Cable length in mm

Y: Cable color:

- G - Gray
- B - Black
- W - White

Z: Number of terminated ends:

- 1
- 2



AMMC Interface is fully compatible with "W.FL" Series Product