

F F RA PCB MOUNT SOLDER

P/N: AT3F8P-3

Product Feature:

- Connector Type : F Type
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Right Angle (90°)
- Termination Style : Solder
- Soldered on : PCB
- Application : General Purpose/Telecom etc

The **F-Type Female Right Angle (RA) PCB Mount Solder Connector** is a precision **75-ohm** RF component designed for direct integration onto printed circuit boards. Its **90-degree configuration** enables a low-profile, space-saving design, making it ideal for compact electronic housings. The **solder-tail termination** ensures a high-stability electrical connection with **excellent shielding**. This connector is primarily used in **CATV set-top boxes, satellite receivers, modem motherboards, and RF front-end modules** where **reliable board-level signal transition** is essential for **high-frequency video and data**.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	75	Ω
Frequency Range	DC ~ 3	GHz
VSWR	≤ 1.25	@DC-1.5 GHz
	≤ 1.35	@2-3 GHz
Insertion Loss	≤ 0.5	@DC-3 GHz
Insulation Resistance	≥ 5000	M Ω
Dielectric Withstanding Voltage	≥ 1.0	kVrms
Inner Conductor Resistance	≤ 10	m Ω
Outer Conductor Resistance	≤ 5	m Ω
Power Handling	~100	W @1GHz
RF Leakage	≤ -80	dB @1GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Brass	Tin
Outer Conductor/Body	Zinc	Nickel
Ferrule	Brass	Nickel
Dielectric	PTFE	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Fastening Type	3/8-32 Threaded	-
Mounting Style	Through-Hole	-
Soldered on	PCB	-
Operating Temperature	-40 ~ 60	°C
Compliance	ROHS	-