

F F PCB MOUNT SOLDER

P/N: AT3F6P-3

Product Feature:

- Connector Type : F Type
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight
- Termination Style : Solder
- Soldered on : PCB
- Application : General Purpose/Telecom etc



The **F-Type Female PCB Mount Solder Connector** is a high-stability **75-ohm** RF component designed for vertical integration onto printed circuit boards. It features a **straight-body design** with integrated **solder pins**, providing a **permanent, low-loss electrical path directly to the board's circuitry**. This connector is engineered to offer **excellent electromagnetic shielding** and consistent signal integrity for high-frequency applications. It is widely used in **broadband modems, digital set-top boxes, and RF test equipment interfaces**. Its robust construction makes it a staple in **CATV distribution amplifiers, satellite television headends, and specialized telecommunications hardware** where reliable, board-level signal input or output is **critical for video and data transmission**.

Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	75	Ω
Frequency Range	DC ~ 3	GHz
VSWR	≤ 1.20	@DC-1.5 GHz
	≤ 1.30	@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	-