Technical
Data Sheet

N F 4H Panel Mount Solder (17.5mm)

P/N: AT3N2S4-Q6

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight (4Hole Flange Type)
- Termination Style : Solder
- Soldered : To PCB / Cable
- Application : General Purpose/Military

The **N-Type Female 4-Hole Panel Mount Connector (17.5mm)** is a robust RF interface featuring a large, 25mm square flange for enhanced stability on enclosures. Designed for high-power and precision applications, its four-hole mounting configuration ensures a secure, vibration-resistant fit. The solder-pot termination allows for low-loss electrical connections, making it essential for **telecommunication base stations, industrial instrumentation, and RF power amplifiers** requiring a durable, weather-resistant chassis connection.

Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	GHz
VSWR	≤ 1.15	@DC-3 GHz
	≤ 1.2	@3-5 GHz
Insertion Loss	≤ 0.05	@DC-5 GHz
Insulation Resistance	≥ 5000	MΩ
Dielectric Withstanding Voltage	≥ 2.5	kVrms
Inner Conductor Resistance	≤ 1.0	mΩ
Outer Conductor Resistance	≤ 0.25	mΩ
Power Handling	1.0	kW @1GHz
RF Leakage	≤ -90	dB @1GHz

Ground floor, Plot No -20, (KH No-160/1,street No-3/2, samta Vihar, Mukandpur Extn., North West Delhi, Delhi-110042
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Material & Plating		
Component	**Material**	**Plating**
Center Conductor	Phosphorous bronze	Gold
Outer Conductor/Body	Brass	Tri-Alloy
Flange Size	17.5	mm
Dielectric	PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	**Value**	**Unit**
Durability (matings)	≥ 500 min.	-
Coupling nut torque	25/30	Nm
Soldered on	PCB or Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-

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