

## N F 4H Panel Mount Solder (25mm)

P/N: AT3N2S4-Y6

### 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 (25mm)** 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	$\Omega$
Frequency Range	DC ~ 6	GHz
VSWR	$\leq 1.15$	@DC-3 GHz
	$\leq 1.2$	@3-5 GHz
Insertion Loss	$\leq 0.05$	@DC-5 GHz
Insulation Resistance	$\geq 5000$	M $\Omega$
Dielectric Withstanding Voltage	$\geq 2.5$	kVrms
Inner Conductor Resistance	$\leq 1.0$	m $\Omega$
Outer Conductor Resistance	$\leq 0.25$	m $\Omega$
Power Handling	1.0	kW @1GHz
RF Leakage	$\leq -90$	dB @1GHz



## Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Phosphorous bronze	Gold
Outer Conductor/Body	Brass	Tri-Alloy
Flange Size	25.0	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	-