

TNC F Darlin Panel Mount Solder

P/N: AT3T2S-6

Product Feature:

- Connector Type : TNC
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight (Darlin Type)
- Termination Style : Solder
- Soldered: To PCB or Cable
- Application : General Purpose/Telecom etc

The **TNC Female Darlin Panel Mount Solder Connector** is a **heavy-duty, anti-rotation bulkhead** interface designed for rugged chassis pass-throughs. Featuring a specialized D-profile or elongated body, it locks securely into panel cutouts to prevent spinning when torqued. The solder-pot design allows for direct, **low-resistance** internal wiring connections while its threaded coupling ensures excellent **vibration resistance and RF shielding**. It is widely used in **industrial control panels, EMC/RF test chamber interface plates, military vehicle communications, and high-power amplifier enclosures**.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	GHz
VSWR	≤ 1.15	@DC-3 GHz
	≤ 1.25	@3-5 GHz
Insertion Loss	≤ 0.2	@DC-4 GHz
Insulation Resistance	≥ 5000	M Ω
Dielectric Withstanding Voltage	≥ 1.5	kVrms (at sea level)
Inner Conductor Resistance	≤ 1.5	m Ω
Outer Conductor Resistance	≤ 0.2	m Ω
Power Handling	316	W @1GHz
RF Leakage	≤ -55	dB @1GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Brass	Gold
Outer Conductor/Body	Brass	Nickel
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Fastening Type	7/16-28	-
Contact Captivation	≥ 27	N
Soldered On	PCB or Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-