REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/6/3	C. Chen

TECHNICAL DATA

▶ Electrical Characteristic

Frequency Range	DC~18GHz
Impedance	50 Ohms
VSWR	1.2 max
Insertion Loss	0.04√f(GHz)dB max
Dielectric Withstand Voltage	1000Vrms
Contact Resistance	Center Contact: 3mΩ max Outer Contact: 2.5mΩ max
Insulation Resistance	5000MΩ min
Mating Cycles	500 min

▶ Material & Finishing

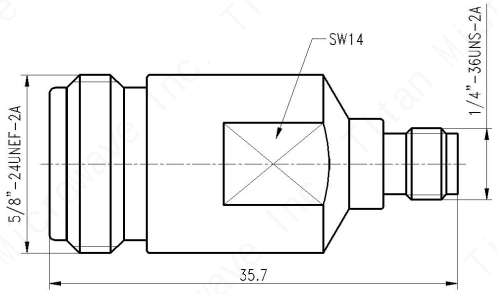
Center Conductor	Beryllium Copper, Gold Plated
Outer Conductor	Nickel Plated Brass
Insulators	PEI & PTFE

▶ Mechanical

Force to Engage/Disengage	0.23Nm max
Recommended Mating Torque	0.79Nm~1.13Nm

▶ Environmental

Vibration	Method 204, test condition D
Shock	Method 213, test condition I
Thermal Shock	Method 107, test condition B
Corrosion (Salt Spray)	Method 101, test condition B
Moisture Resistance	Method 106, Insulation Resistance≥200MΩ
Temperature	-55°C~+165°C



Notes:

1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

DRAWN: L. Ma 03/06/22

ENGINEER: J. Zhu 03/06/22

APPROVED: C. Chen 03/06/22

TOLERANCE UNLESS OTHERWISE SPECIFIED

x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

Coaxial Adapter,
N-Female to SMA-Female,
Straight, DC~18GHz

PART No.:

TMCANFSF

成都巨人微波 TITAN MICROWAVE INC.
- A Professional RF & Microwave Components Supplier -

DIMENSIONS IN MILLIMETERS(mm)

SIZE:	SCALE:	SHEET:	REV:
A4		1/1	A