

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/3/11	C. Chen

TECHNICAL DATA

► Electrical Characteristic

Frequency Range	DC~18GHz
Impedance	50 Ohms
VSWR	1.20 max
Insertion Loss	0.04√f(GHz)dB max
Dielectric Withstand Voltage	1000Vrms
Contact Resistance	Center Contact: 3mΩ max Outer Contact: 5mΩ max
Insulation Resistance	5000MΩ min
Mating Cycles	500 min

► Material & Finishing

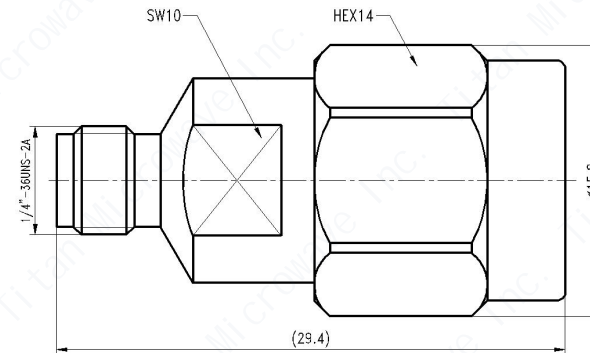
Center Conductor	Beryllium Copper, Gold Plating
Insulators	PTFE & PEI
Body	Passivated Stainless Steel

► 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



DRAWN: L. Ma 11/03/22		
ENGINEER: J. Zhu 11/03/22		
APPROVED: C. Chen 11/03/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

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

PART No.:

TMCASFG



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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

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