

| REV | DESCRIPTION OF REVISION | By | DATE | APPROVED |
|-----|-------------------------|--------|-----------|----------|
| A | INITIAL RELEASE | C. Cai | 2022/3/26 | C. Chen |

TECHNICAL DATA

► Electrical Characteristic

| | |
|------------------------------|---|
| Frequency Range | DC~50GHz |
| Impedance | 50 Ohms |
| VSWR | 1.25 max |
| Insertion Loss | 0.08√f(GHz)dB max |
| Dielectric Withstand Voltage | 200Vrms |
| Contact Resistance | Center Contact: 4mΩ max Outer Contact: 2.5mΩ max |
| Insulation Resistance | 5000MΩ min |
| Mating Cycles | 500 min |

► Material & Finishing

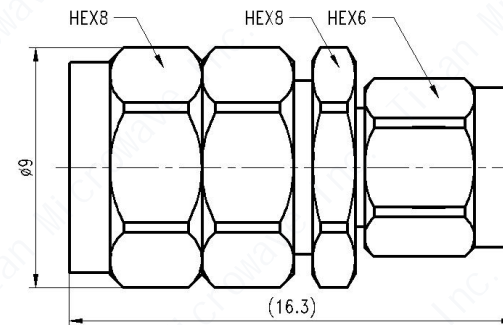
| | |
|------------------|--------------------------------|
| Center Conductor | Beryllium Copper, Gold Plating |
| Outer Conductor | Passivated Stainless Steel |
| Insulators | PEI |

► Mechanical

| | |
|---------------------------|---|
| Force to Engage/Disengage | 2.4mm: 0.8Nm max, 1.0mm: 0.6Nm max |
| Recommended Mating Torque | 2.4mm: 0.8Nm~1.1Nm 1.0mm: 0.3Nm~0.41Nm |

► 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 |



Notes:

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

| | | |
|--------------------------------------|-------|----------|
| DRAWN: L. Ma 26/03/22 | | |
| ENGINEER: J. Zhu 26/03/22 | | |
| APPROVED: C. Chen 26/03/22 | | |
| TOLERANCE UNLESS OTHERWISE SPECIFIED | | |
| x | ±0.50 | [0.019"] |
| .x | ±0.20 | [0.008"] |
| .xx | ±0.10 | [0.004"] |
| ANGLES | ±1° | |

TITLE:

Coaxial Adapter,
1.0mm-Male to 2.4mm-
Male, Straight,
DC~50GHz

PART No.:

TMCA01W



DIMENSIONS IN MILLIMETERS(mm)

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