

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

## TECHNICAL DATA

### ► Electrical Characteristic

|                              |                                                   |
|------------------------------|---------------------------------------------------|
| Frequency Range              | DC~40GHz                                          |
| Impedance                    | 50 Ohms                                           |
| VSWR                         | 1.25 max                                          |
| Insertion Loss               | 0.12√f(GHz)dB max                                 |
| Dielectric Withstand Voltage | 500Vrms                                           |
| Contact Resistance           | Center Contact: 6mΩ max<br>Outer Contact: 3mΩ max |
| Insulation Resistance        | 5000MΩ min@100V                                   |
| Mating Cycles                | 500 min                                           |

### ► Material & Finishing

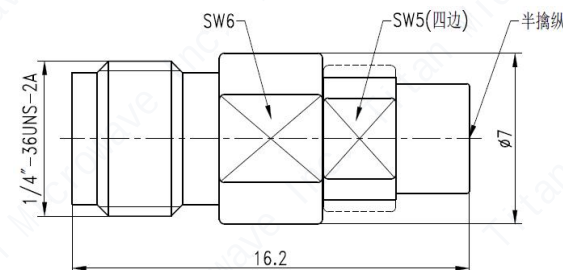
|                  |                                |
|------------------|--------------------------------|
| Center Conductor | Beryllium Copper, Gold Plating |
| Outer Conductor  | Passivated Stainless Steel     |
| Insulators       | PEI                            |

### ► Mechanical

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Force to Engage/Disengage | 2.92mm: 0.23Nm max, SMP: 9N~45N(limited detent) |
| Recommended Mating Torque | 2.92mm: 1.65Nm                                  |

### ► 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,  
2.92mm-Female to SMP-  
Male, Straight,  
DC~40GHz

#### PART No.:

TMCAKFP



DIMENSIONS IN MILLIMETERS(mm)

SIZE:  
A4

SCALE:

SHEET:  
1/1

REV:  
A