

| REV | DESCRIPTION OF REVISION | By | DATE      | APPROVED |
|-----|-------------------------|----|-----------|----------|
| A   | INITIAL RELEASE         | MV | 2022/3/26 | NV       |

## TECHNICAL DATA

### ► Electrical Characteristic

|                              |                                                     |
|------------------------------|-----------------------------------------------------|
| Frequency Range              | DC~67GHz                                            |
| Impedance                    | 50 Ohms                                             |
| VSWR                         | 1.25 max                                            |
| Insertion Loss               | 0.1√f(GHz)dB max                                    |
| Dielectric Withstand Voltage | 500Vrms                                             |
| Contact Resistance           | Center Contact: 4mΩ max<br>Outer Contact: 2.5mΩ max |
| Insulation Resistance        | 5000MΩ min                                          |
| Mating Cycles                | 500 min                                             |

### ► Material & Finishing

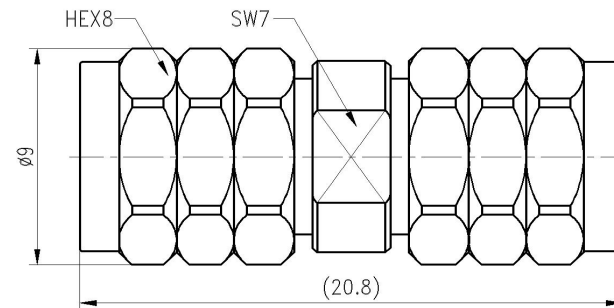
|                  |                                |
|------------------|--------------------------------|
| Center Conductor | Beryllium Copper, Gold Plating |
| Outer Conductor  | Passivated Stainless Steel     |
| Insulators       | PEI                            |

### ► Mechanical

|                           |             |
|---------------------------|-------------|
| Force to Engage/Disengage | 0.8Nm max   |
| Recommended Mating Torque | 0.8Nm~1.1Nm |

### ► 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: MV                            | 26/03/22       |
| ENGINEER: MV                         | 26/03/22       |
| APPROVED: NV                         | 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,  
1.85mm-Male to  
1.85mm-Male, Straight,  
DC~67GHz

#### PART No.:

AM401316



DIMENSIONS IN MILLIMETERS(mm)

|             |        |               |           |
|-------------|--------|---------------|-----------|
| SIZE:<br>A4 | SCALE: | SHEET:<br>1/1 | REV:<br>A |
|-------------|--------|---------------|-----------|