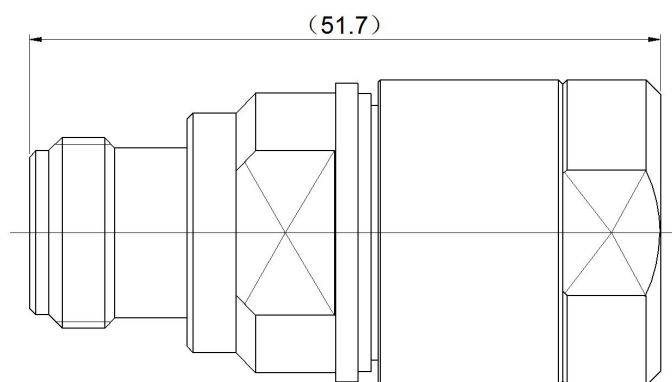


# TECHNICAL SPECIFICATION

## ZC-Connector-NF-12BZ

### 1. Figure



### 2. Product Description

|                      |                                             |
|----------------------|---------------------------------------------|
| 1). Cable Type:      | HCAAY-50-12(1/2 Flexible)                   |
| 2). Cable Size:      |                                             |
| Inner Conductor      | Copper-Clad Aluminum Wire(Diameter 4.8 mm)  |
| Dielectric           | Physical Foam Polyethylene(Diameter 12.3mm) |
| Outer Conductor      | Corrugated Copper Tube(Diameter 13.8mm)     |
| Jacket               | Black PE(Diameter 15.7mm)                   |
| 3). Connectors       |                                             |
| Inner Conductor Pin  | Brass or Tin Bronze /Silver Plating         |
| Body&Outer Conductor | Brass/Trimetal Plating                      |
| Insulator            | PTFE                                        |
| Gasket               | Silicon Rubber                              |
| Nut                  | Brass/Nickel Plating or Trimetal Plating    |

### 3. Electrical Characteristics

|                                 |                |
|---------------------------------|----------------|
| Characteristics Impedance       | 50 Ohm         |
| Frequency Range                 | DC~7.5GHz      |
| Insulation Resistance           | ≥5000MΩ        |
| Dielectric Withstanding Voltage | 2500V rms (DC) |
| Operating Voltage               | 1400V rms      |
| Insertion Loss @DC-3 GHz        | ≤0.1dB         |
| VSWR @0-1.0 GHz                 | ≤1.08          |
| @1-2.2 GHz                      | ≤1.10          |
| @2.2-3 GHz                      | ≤1.12          |
| PIM3                            | ≤-160dBc       |

### 4. Environmental and Mechanical Specifications

|                       |                     |
|-----------------------|---------------------|
| Storage Temperature   | -45°C to +65°C      |
| Operating temperature | -65°C to +85°C      |
| Water Proof level     | IP68 24hr, 1m, 20°C |
| RoHS                  | Compliant           |