### APPLICABLE STANDARD

**RATING**

- Operating Temperature Range: \(-40\,^\circ\text{C} \text{ TO } +105\,^\circ\text{C}(90\% \text{RH MAX})\)
- Storage Temperature Range: \(-30\,^\circ\text{C} \text{ TO } +70\,^\circ\text{C}(90\% \text{RH MAX})\)
- Power: \(-\) W

**PECULIARITY**

- Applicable Cable: ----

### ENVIRONMENTAL CHARACTERISTICS

#### ROBUSTNESS

- Cable Clamp:
  - Mechanical Operation: 30 times insertions and extractions.
  - Robustness (Against Cable Pull): Applying a pull force the cable axially.

#### CORROSION SALT MIST

- Exposure in 5\% salt water spray for 48 h.
- VSWR: 1.3 MAX.

#### DAMP HEAT

- Exposed at \(-40\,^\circ\text{C}, 95\%\) total 96 h.
- Insulation Resistance: 10 M\(\Omega\) min. (at high humidity)
- Insulation Resistance: 500 M\(\Omega\) min. (at dry)

#### RAPID CHANGE OF TEMPERATURE

- Temperature -40 \(\rightarrow\) 5\(\rightarrow\) -35\(\rightarrow\) +105\(\rightarrow\) 5\(\rightarrow\) 35\(\circ\text{C}\)
- Time: 30 \(\rightarrow\) 3 \(\rightarrow\) 30 \(\rightarrow\) 3 min. under 5 cycles.
- No damage, crack and looseness of parts.

### ELECTRIC CHARACTERISTICS

#### INSERTION LOSS

- Frequency 0.045 TO 6 GHz:
  - VSWR: 1.3 MAX.
- Frequency 6 TO 8 GHz:
  - VSWR: 1.4 MAX.

#### VOLTAGE STANDING WAVE RATIO

- Center Contact 20 m\(\Omega\) MAX.
- Outer Contact 10 m\(\Omega\) MAX.

#### INSULATION RESISTANCE

- Center Contact: 500 M\(\Omega\) min.

#### VOLTAGE PROOF

- No Flashover or Breakdown.

### MECHANICAL CHARACTERISTICS

#### INSERTION FORCE

- Center Contact: 25 m\(\Omega\) MAX.
- Outer Contact: 15 m\(\Omega\) MAX.

#### EXTRACTION FORCE

- Change: 10 m\(\Omega\) MAX.

### CONSTRUCTION

#### GENERAL EXAMINATION

- Visually and by measuring instrument: According to drawing.

#### MARKING

- Confirmed visually.

### SPECIFICATIONS

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**SHEET**

- HD0011-2-1

- HIROSE ELECTRIC CO., LTD.

- Code No.: CL331-0472-2-01

**DATE**

- 20200619

**DRAWING NO.**

- ELC4-302540-01

**PART NO.**

- U.FL-R-SMT-1 (01)

**CODE NO.**

- CL331-0472-2-01

**REMARK**

- 100PCS / PACK

- Unless otherwise specified, refer to JIS C 5402.

**Note**

- QT: Qualification Test
- AT: Assurance Test
- X: Applicable Test

**DESIGNED**

- NK. NINOMIYA

**CHECKED**

- YI. FUNADA

**DATE**

- 20111115

**APPROVED**

- MHI. YAMANE

**DRAWN**

- YI. FUNADA