

| APPLICABLE STANDARD                                                                                           |                                                                                                         |                                                                                                                                                          |                           |                           |                                                                                           |
|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------|-------------------------------------------------------------------------------------------|
| RATING                                                                                                        | OPERATING TEMPERATURE RANGE                                                                             | -40 °C TO +105°C(90%RH MAX)                                                                                                                              | STORAGE TEMPERATURE RANGE | -30°C TO +70°C(90%RH MAX) |                                                                                           |
|                                                                                                               | POWER                                                                                                   | — W                                                                                                                                                      | CHARACTERISTIC IMPEDANCE  | 50 Ω ( 0 TO 8 GHz)        |                                                                                           |
|                                                                                                               | PECULIARITY                                                                                             | —                                                                                                                                                        | APPLICABLE CABLE          | —                         |                                                                                           |
| SPECIFICATIONS                                                                                                |                                                                                                         |                                                                                                                                                          |                           |                           |                                                                                           |
| ITEM                                                                                                          |                                                                                                         | TEST METHOD                                                                                                                                              |                           | REQUIREMENTS              |                                                                                           |
| CONSTRUCTION                                                                                                  |                                                                                                         |                                                                                                                                                          |                           |                           |                                                                                           |
| GENERAL EXAMINATION                                                                                           |                                                                                                         | VISUALLY AND BY MEASURING INSTRUMENT.                                                                                                                    |                           | ACCORDING TO DRAWING.     |                                                                                           |
| MARKING                                                                                                       |                                                                                                         | CONFIRMED VISUALLY.                                                                                                                                      |                           | X                         | X                                                                                         |
| ELECTRIC CHARACTERISTICS                                                                                      |                                                                                                         |                                                                                                                                                          |                           |                           |                                                                                           |
| CONTACT RESISTANCE                                                                                            | 10 mA MAX (DC OR 1000 Hz).                                                                              | CENTER CONTACT                                                                                                                                           | 20 mΩ MAX.                | X                         | —                                                                                         |
|                                                                                                               |                                                                                                         | OUTER CONTACT                                                                                                                                            | 10 mΩ MAX.                | X                         | —                                                                                         |
| INSULATION RESISTANCE                                                                                         | 100 V DC.                                                                                               | 500 MΩ MIN.                                                                                                                                              |                           | X                         | —                                                                                         |
| VOLTAGE PROOF                                                                                                 | 200 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.                                                             | NO FLASHOVER OR BREAKDOWN.                                                                                                                               |                           | X                         | X                                                                                         |
| VOLTAGE STANDING WAVE RATIO  | FREQUENCY 0.045 TO 6 GHz.                                                                               | VSWR                                                                                                                                                     | 1.3 MAX.                  | X                         | —                                                                                         |
|                                                                                                               | FREQUENCY 6 TO 8 GHz.                                                                                   | VSWR                                                                                                                                                     | 1.4 MAX.                  |                           |                                                                                           |
| INSERTION LOSS                                                                                                | FREQUENCY — TO — GHz                                                                                    | — dB MAX                                                                                                                                                 |                           | —                         | —                                                                                         |
| MECHANICAL CHARACTERISTICS                                                                                    |                                                                                                         |                                                                                                                                                          |                           |                           |                                                                                           |
| CONTACT INSERTION AND EXTRACTION FORCES                                                                       | BY STEEL GAUGE.                                                                                         | INSERTION FORCE                                                                                                                                          | — N MAX.                  | —                         | —                                                                                         |
|                                                                                                               |                                                                                                         | EXTRACTION FORCE                                                                                                                                         | — N MIN                   | —                         | —                                                                                         |
| INSERTION AND EXTRACTION FORCES                                                                               | MEASURED BY APPLICABLE CONNECTOR.                                                                       | INSERTION FORCE                                                                                                                                          | — N MAX.                  | —                         | —                                                                                         |
|                                                                                                               |                                                                                                         | EXTRACTION FORCE                                                                                                                                         | — N MAX.                  | —                         | —                                                                                         |
| MECHANICAL OPERATION                                                                                          | 30 TIMES INSERTIONS AND EXTRACTIONS.                                                                    | 1) CONTACT RESISTANCE:<br>CENTER CONTACT 25 mΩMAX.<br>OUTER CONTACT 15 mΩMAX.<br>2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.                             |                           | X                         | —                                                                                         |
| VIBRATION                                                                                                     | FREQUENCY 10 TO 100 Hz<br>SINGLE AMPLITUDE 1.5 mm, 59 m/s <sup>2</sup><br>AT 5 CYCLES FOR 3 DIRECTIONS. | 1) NO ELECTRICAL DISCONTINUITY OF 1μs.<br>2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.                                                                    |                           | X                         | —                                                                                         |
| SHOCK                                                                                                         | 735 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms<br>AT 3 TIMES FOR 6 DIRECTIONS.                          |                                                                                                                                                          |                           | X                         | —                                                                                         |
| CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)                                                                   | APPLYING A PULL FORCE THE CABLE AXIALLY AT — N MAX.                                                     | 1) NO WITHDRAWAL AND BREAKAGE OF CABLE.<br>2) NO BREAKAGE OF CLAMP.                                                                                      |                           | —                         | —                                                                                         |
| ENVIRONMENTAL CHARACTERISTICS                                                                                 |                                                                                                         |                                                                                                                                                          |                           |                           |                                                                                           |
| DAMP HEAT                                                                                                     | EXPOSED AT 40 °C, 95 %<br>TOTAL 96 h                                                                    | 1) INSULATION RESISTANCE: 10 MΩ MIN. (AT HIGH HUMIDITY)<br>2) INSULATION RESISTANCE: 500 MΩ MIN. (AT DRY)<br>3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. |                           | X                         | —                                                                                         |
| RAPID CHANGE OF TEMPERATURE                                                                                   | TEMPERATURE -40 → 5→35→ +105→ 5→35°C<br>TIME 30 → 3 → 30 → 3 min.<br>UNDER 5 CYCLES.                    | NO DAMAGE, CRACK AND LOOSENESS OF PARTS.                                                                                                                 |                           | X                         | —                                                                                         |
| CORROSION SALT MIST                                                                                           | EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.                                                                | VSWR 1.3 MAX.                                                                                                                                            |                           | X                         | —                                                                                         |
|                                                                                                               |                                                                                                         |                                                                                                                                                          |                           |                           |                                                                                           |
| COUNT                                                                                                         | DESCRIPTION OF REVISIONS                                                                                |                                                                                                                                                          | DESIGNED                  | CHECKED                   | DATE                                                                                      |
|                            | 1                                                                                                       | DIS-D-00005074                                                                                                                                           | NK. NINOMIYA              | TS. NOBE                  | 20200619                                                                                  |
| REMARK<br>10000PCS / PLASTIC REEL<br><br>Unless otherwise specified, refer to JIS C 5402.                     |                                                                                                         |                                                                                                                                                          | APPROVED                  | MH. YAMANE                | 20090525                                                                                  |
|                                                                                                               |                                                                                                         |                                                                                                                                                          | CHECKED                   | NK. NINOMIYA              | 20090525                                                                                  |
|                                                                                                               |                                                                                                         |                                                                                                                                                          | DESIGNED                  | MT. KANEKO                | 20090523                                                                                  |
|                                                                                                               |                                                                                                         |                                                                                                                                                          | DRAWN                     | MT. KANEKO                | 20090522                                                                                  |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test                                                |                                                                                                         |                                                                                                                                                          | DRAWING NO.               |                           | ELC4-302540-86                                                                            |
|                            | SPECIFICATION SHEET                                                                                     |                                                                                                                                                          | PART NO.                  | U. FL-R-SMT-1 (80)        |                                                                                           |
|                                                                                                               | HIROSE ELECTRIC CO., LTD.                                                                               |                                                                                                                                                          | CODE NO.                  | CL331-0472-2-80           |  1/1 |