

|   |  |  |                           |   |                         |   |
|---|--|--|---------------------------|---|-------------------------|---|
| Applicable standard   |  |  |                           |   |                         |   |
| Rating  | Operating temperature range  | -40 °C to +90 °C( 90 %RH Max.)           | Storage temperature range | -40 °C to +90 °C( 90 %RH Max.)            |                         |   |
|   | Power  | -- W                                     | Characteristic impedance  | 50 Ω( 0 to $\Delta$ 8 GHz)                |                         |   |
|   | Peculiarity  | ----                                     | Applicable cable          | RF-MF50161<br>(Nissei Electric Co., Ltd.) |                         |   |
| <b>SPECIFICATIONS</b>   |  |  |                           |   |                         |   |
| ITEM  |  | TEST METHOD                              |                           | REQUIREMENTS                              |                         |   |
|   |  |  |                           | QT  | AT                      |   |
| <b>CONSTRUCTION</b>   |  |  |                           |   |                         |   |
| General examination   |  | Visually and by measuring instrument.    |                           | According to drawing.                     |                         |   |
|   |  |  |                           | X   | X                       |   |
| <b>ELECTRICAL CHARACTERISTICS</b>   |  |  |                           |   |                         |   |
| Contact resistance  | 10 mA Max.(DC or 1000 Hz)  | Center contact 0.52(Lmax-0.6)+24 mΩ Max. |                           | X   | X                       |   |
|   |  | Outer contact 0.18(Lmax-0.6)+14 mΩ Max.  |                           | X   | X                       |   |
| Insulation resistance   | 100 V DC.  | 500 MΩ Min.                              |                           | X   | X                       |   |
| Withstanding voltage  | 200 V AC for 1 min. current leakage 2 mA Max.  | No flashover or breakdown.               |                           | X   | X                       |   |
| Voltage standing wave ratio $\Delta$  | Frequency 0 to 3 GHz.  | VSWR 1.3 Max.                            |                           | X   | -                       |   |
|   | Frequency 3 to 6 GHz.  | VSWR 1.4 Max.                            |                           |   |                         |   |
|   | Frequency 6 to 8 GHz.  | VSWR 1.6 Max.                            |                           |   |                         |   |
| Insertion loss  | Frequency - to - GHz.  | --- dB Max.                              |                           | -   | -                       |   |
| <b>MECHANICAL CHARACTERISTICS</b>   |  |  |                           |   |                         |   |
| Cable clamp strength (Against cable pull)   | Using a pulling tester, pull the cable axially at a rate of 10 mm/min. and record the strength at which the cable or connector breaks. |  | 9.8 N Min.                |   | X                       | - |
|   |  |  |                           |   |                         |   |
|   | Count  | Description of revisions                 | Designed                  | Checked                                   | Date                    |   |
| $\Delta$  | 2  | DIS-D-00005258                           | MK. INOUE                 | TO. KATAYAMA                              | 20200923                |   |
| Remark<br>Notes 1. "L" at the end of the product name indicates the cable length (unit:mm).<br>2. Specifications are subject to change without notice.<br>Unless otherwise specified, refer to IEC 60512. |  |  | Approved                  | TO.KATAYAMA                               | 20190116                |   |
|   |  |  | Checked                   | TO.KATAYAMA                               | 20190116                |   |
|   |  |  | Designed                  | NK.OOSAWA                                 | 20190116                |   |
|   |  |  | Drawn                     | NK.OOSAWA                                 | 20190116                |   |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test  |  |  | Drawing No.               |   |                         |   |
| <b>HRS</b>  | SPECIFICATION SHEET  |  | Part No.                  |   | HPJ2-UFLHF6-068N*T-ALRS |   |
|   | HIROSE ELECTRIC CO., LTD.  |  | Code No.                  |   | $\Delta$ 1/1            |   |