

|  |  |   |  |                          |                  |
|--|--|---|--|--------------------------|------------------|
| APPLICABLE STANDARD  |  |   |  |                          |                  |
| RATING   | OPERATING TEMPERATURE RANGE  | -40°C to +85°C  | STORAGE TEMPERATURE RANGE  | -25°C to +75°C           |                  |
|  | POWER  |   | CHARACTERISTIC IMPEDANCE   | φ 2mm CORD               |                  |
| SPECIFICATIONS   |  |   |  |                          |                  |
| ITEM   | TEST METHOD(JIS C 5961)  |   | REQUIREMENTS   | QT                       | AT               |
| CONSTRUCTION   |  |   |  |                          |                  |
| DIMENSION,CONSTRUCTION AND FINISHING                           |  | SHALL BE CARRIED OUT VISUALLY AND MEASURING INSTRUMENT. | ACCORDING TO DRAWING.  | X                        | X                |
| MARKING  |  | CONFIRMED VISUALLY.                                     |  | X                        | X                |
| OPTICAL PERFORMANCE  |  |   |  |                          |                  |
| INSERTION LOSS   | MEASUREMENT AT WAVE LENGTH<br>1310±30nm (LED)  |   | $\leq 1.4$ (SM)<br>$\leq 0.7$ (GI) 1.5dB mode scrambler                  | X                        | —                |
|  | <p style="text-align: center;"><math>I. L. = -10 \log (V_m / V_0)</math></p>                         |   |  |                          |                  |
| MECHANICAL TESTS   |  |   |  |                          |                  |
| TENSILE STRENGTH(AXIAL)  | A TENSILE FORCE TO CORD AXIALLY AT 50N   |   | CHANGE IN INSERTION LOSS: $\leq 0.3$ dB<br>NO LOOSENESS,BREAKAGE, CRACKS | X                        | —                |
| MATING DURABILITY  | 200 INSERTION AND EXTRACTION.  |   |  | X                        | —                |
| VIBRATION  | VIBRATION FOR 2 HOURS IN 2 DIRECTIONS AT AN AMPLITUDE OF 1.5mm WITH THE FREQUENCY RANGE 10 to 55 Hz. |   |  | X                        | —                |
| SHOCK  | 3 TIMES AND 2 DIRECTIONS WITH THE ACCELERATION 981m/s <sup>2</sup>                                   |   |  | X                        | —                |
| TEMPERATURE,HUMIDITY,CONDENSATION AND ENVIRONMENTAL TESTS      |  |   |  |                          |                  |
| COMPOSITE HUMIDITY CYCLE                                       | HUMIDITY : 90 to 96%<br>TEMPERATURE : -10 to 65°C<br>TIME : 240HOURS(10CYCLE)                        |   | CHANGE IN INSERTION LOSS: $\leq 0.3$ dB<br>NO LOOSENESS,BREAKAGE, CRACKS | X                        | —                |
| TEMPERATURE CYCLING  | TEMPERATURE : -40 to 75°C 42CYCLE (TELCORDIA GR-326-CORE)  |   |  | X                        | —                |
| RESISTANCE TO DRY HEAT   | TEMPERATURE : 85°C FOR 240HOURS  |   |  | X                        | —                |
| RESISTANCE TO COLD   | TEMPERATURE : -40°C FOR 240HOURS   |   |  | X                        | —                |
| SALT MIST  | SALT MIST : 5% FOR 500HOURS  |   | NO HEAVY CORROSION RUINS THE FUNCTION.                                   | X                        | —                |
| WATER RESISTANCE   | PUT THE PRODUCT UNDER WATER FOR 1min. WITH AIR PRESSURE 4.9 kPa                                      |   | NO AIR LEAKAGE   | X                        | —                |
|  | COUNT  | DESCRIPTION OF REVISIONS                                | DESIGNED   | CHECKED                  | DATE             |
|  | 0  |   |  |                          |                  |
| REMARK   |  |   | APPROVED   | MT. SHIBUTANI            | 18.02.02         |
|  |  |   | CHECKED  | FS. YOSHIDA              | 18.02.02         |
|  |  |   | DESIGNED   | TY. SATO                 | 18.02.02         |
|  |  |   | DRAWN  | MK. INOUE                | 18.02.02         |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test |  |   | DRAWING NO.  |                          | ELC-176813-31-00 |
| HRS  | SPECIFICATION SHEET  |   | PART NO.   | MF10S-WDRFGC01-0200 (31) |                  |
|  | HIROSE ELECTRIC CO., LTD.  |   | CODE NO.   | CL709-0579-8-31          | 1/1              |