

| APPLICABLE STANDARD | | IEC 61169-32 | | | | | | | | | |
|--|--|---------------------------|--|---|---------------------------|------------------|--|--|--|--|--|
| RATING | OPERATING TEMPERATURE RANGE | -40°C TO +85°C(95%RH MAX) | | STORAGE TEMPERATURE RANGE | -40°C TO +85°C(95%RH MAX) | | | | | | |
| | POWER | 0.5 W (at 65°C) | | CHARACTERISTIC IMPEDANCE | 50Ω (0 TO 65 GHz) | | | | | | |
| | PECULIARITY | — | | APPLICABLE CABLE | — | | | | | | |
| SPECIFICATIONS | | | | | | | | | | | |
| ITEM | TEST METHOD | | | REQUIREMENTS | | QT AT | | | | | |
| CONSTRUCTION | | | | | | | | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | | | ACCORDING TO DRAWING. | | X X | | | | | |
| MARKING | CONFIRMED VISUALLY. | | | | | X X | | | | | |
| ELECTRIC CHARACTERISTICS | | | | | | | | | | | |
| CONTACT RESISTANCE | mA MAX (DC OR 1000 Hz). | | | CENTER CONTACT | mΩ MAX. | — — | | | | | |
| | | | | OUTER CONTACT | mΩ MAX. | — — | | | | | |
| INSULATION RESISTANCE | V DC. | | | MΩ MIN. | | — — | | | | | |
| VOLTAGE PROOF | V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX. | | | NO FLASHOVER OR BREAKDOWN. | | — — | | | | | |
| VSWR | FREQUENCY DC TO 65 GHz. | | | VSWR <1.15 : DC TO 20 GHz <1.25 : 20 TO 60 GHz <1.35 : 60 TO 65 GHz | | X X | | | | | |
| RESISTANCE VALUE | MEASURE THE RESISTANCE VALUE AT DC1V | | | 48.5 TO 51.5 Ω | | X X | | | | | |
| MECHANICAL CHARACTERISTICS | | | | | | | | | | | |
| CONTACT INSERTION AND EXTRACTION FORCES | BY STEEL GAUGE. | | | INSERTION FORCE | N MAX. | — — | | | | | |
| | | | | EXTRACTION FORCE | NMIN | — — | | | | | |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | | | INSERTION FORCE | N MAX. | — — | | | | | |
| | [APPLICABLE CONNECTOR :] | | | EXTRACTION FORCE | N MAX. | — — | | | | | |
| MECHANICAL OPERATION | 500 TIMES INSERTIONS AND EXTRACTIONS. | | | 1) VSWR CHARACTERISTIC SHALL BE MET. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | X — | | | | | |
| | [APPLICABLE CONNECTOR : HV-R-SR2] | | | | | | | | | | |
| VIBRATION | FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 m/s ² AT 3 CYCLES FOR 3 DIRECTIONS. | | | 1) VSWR CHARACTERISTIC SHALL BE MET. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | X — | | | | | |
| | SHOCK 490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 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. 2) NO BREAKAGE OF CLAMP. | | — — | | | | | |
| | | | | | | | | | | | |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | | | | | | |
| DAMP HEAT | EXPOSED AT +40 °C, 90~95 % FOR 96 h | | | 1) VSWR CHARACTERISTIC SHALL BE MET. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | X — | | | | | |
| | | | | | | | | | | | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 → — → +85 → — °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES. | | | 1) VSWR CHARACTERISTIC SHALL BE MET. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | X — | | | | | |
| | | | | | | | | | | | |
| CORROSION SALT MIST | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | | | VSWR CHARACTERISTIC SHALL BE MET. | | X — | | | | | |
| | | | | | | | | | | | |
| COUNT | DESCRIPTION OF REVISIONS | | | DESIGNED | | CHECKED | | | | | |
| △ | | | | | | DATE | | | | | |
| REMARK | | | | | APPROVED | TS. NAKAGAWA | | | | | |
| | | | | | CHECKED | NK. NINOMIYA | | | | | |
| | | | | | DESIGNED | AH. MARUYAMA | | | | | |
| Unless otherwise specified, refer to IEC 60512. | | | | | DRAWN | AH. MARUYAMA | | | | | |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | | DRAWING NO. | | ELC-387607-00-00 | | | | | |
| HRS | SPECIFICATION SHEET | | | PART NO. | HV-TMP-1 | | | | | | |
| | HIROSE ELECTRIC CO., LTD. | | | CODE NO. | CL0353-0025-0-00 | △ 1/1 | | | | | |