














| | | | | | |
|--|-----------------------------|---|--------------|--|---|
| Applicable standard | | MIL-STD-348B | | | |
| Rating | Operating temperature range | Δ -55 °C to +125 °C (95 %RH Max.) | | Storage temperature range | -20 °C to +70 °C (90 %RH Max.) |
| | Power | -- W | | Characteristic impedance | 50 Ω (0 to 30 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. | | | — — |
| ELECTRICAL CHARACTERISTICS | | | | | |
| Contact resistance | | 100 mA (DC or 1000 Hz) | | Center contact 6 m Ω Max. Outer contact 6 m Ω Max. | X X X X |
| Insulation resistance | | 500 V DC. | | 1000 M Ω Min. | X X |
| Withstanding voltage | | 500 V AC for 1 min. current leakage 2 mA Max. | | No flashover or breakdown. | X X |
| V.S.W.R.  | | Frequency 0 to 30 GHz. | | V.S.W.R. 1.5 Max. | X — |
| Insertion loss | | Frequency - to - GHz. | | --- dB Max. | — — |
| MECHANICAL CHARACTERISTICS | | | | | |
| Contact insertion and extraction forces | | ϕ --- by steel gauge. | | Insertion force --- N Max. Extraction force --- N Min. | — — — — |
| Insertion and extraction forces  | | Measured by applicable connector. [SMPJ-HKJ] | | Insertion force 65 N Max. Extraction force 16 N Min. | X X X X |
| Mechanical operation  | | 100 times insertion and extractions. | | 1)Contact resistance: Center contact 12 m Ω Max. Outer contact 12 m Ω Max. 2)No damage, crack and looseness of parts. | X — |
| Vibration  | | Frequency 10 to 500 Hz single amplitude 0.75 mm, 98 m/s ² at 10 cycles for 3 directions. | | 1)No electrical discontinuity of 1 μ s. 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 strength (Against cable pull) | | Using a pulling tester, pull the cable axially at a rate of --- mm/min. and record the strength at which the cable or connector breaks. | | --- N Min. | — — |
| ENVIRONMENTAL CHARACTERISTICS | | | | | |
| Damp heat  | | Exposed at +25 to +65 °C, 90 to 98 % total 10 cycles. (240 h) | | 1)Insulation resistance: 100 M Ω Min. (at high humidity) 2) Insulation resistance: 1000 M Ω Min. (at dry) 3)No damage, crack and looseness of parts. | X — |
| Rapid change of temperature  | | Temperature -55 \rightarrow - \rightarrow +125 \rightarrow - °C Time 30 \rightarrow 3 \rightarrow 30 \rightarrow 3 min. Under 5 cycles. | | No damage, crack and looseness of parts. | X — |
| Corrosion salt mist  | | Exposed in 5 % salt water spray for 48 h. | | V.S.W.R. 1.5 Max. [0 to 30 GHz] | X — |
| | | | | | |
|  | Count | Description of revisions | Designed | Checked | Date |
|  | 1 | DIS-D-00003210 | TK.SAWAGUCHI | KY.SHIMIZU | 18.06.07 |
| Remark | | | Approved | TO.KATAYAMA | 18.03.20 |
| RoHS COMPLIANT | | | Checked | KY.SHIMIZU | 18.03.20 |
| Note  The characteristic after mounting on the board. | | | Designed | TK.SAWAGUCHI | 18.03.19 |
| Unless otherwise specified, refer to IEC 60512. | | | Drawn | TK.SAWAGUCHI | 18.03.19 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | Drawing No. | ELC-373487-01-00 | |
|  | SPECIFICATION SHEET | | Part No. | SMP-PR(FD)-SMT-1(01) | |
| | HIROSE ELECTRIC CO., LTD. | | Code No. | CL338-1102-0-01 |  1/1 |