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| COUNT   | DESCRIPTION OF REVISIONS    | BY  | CHKD                          | DATE                   | COUNT   | DESCRIPTION OF REVISIONS | BY                              | CHKD                   | DATE                   |                         |
|---|-----------------------------|---|-------------------------------|------------------------|---|--------------------------|---------------------------------|------------------------|------------------------|-------------------------|
| △   |                             |   |                               |                        | △   |                          |                                 |                        |                        |                         |
| △   |                             |   |                               |                        | △   |                          |                                 |                        |                        |                         |
| <b>APPLICABLE STANDARD</b>  |                             |   |                               |                        |   |                          |                                 |                        |                        |                         |
| RATING  | OPERATING TEMPERATURE RANGE | -40℃ ~ +90℃ (90%RH MAX.)  |                               |                        | STORAGE TEMPERATURE RANGE   | -20℃ ~ +70℃ (90%RH MAX.) |                                 |                        |                        |                         |
|   | POWER                       | -W  |                               |                        | CHARACTERISTIC IMPEDANCE  | 50Ω (0 TO 8GHz)          |                                 |                        |                        |                         |
|   | PECULIARITY                 | -   |                               |                        | RECEPTACLES   | K.FL2-R-SMT-1            |                                 |                        |                        |                         |
| <b>SPECIFICATIONS</b>   |                             |   |                               |                        |   |                          |                                 |                        |                        |                         |
| ITEM  |                             | TEST METHOD   |                               |                        | REQUIREMENTS  |                          |                                 | QT                     | AT                     |                         |
| <b>CONSTRUCTION</b>   |                             |   |                               |                        |   |                          |                                 |                        |                        |                         |
| GENERAL EXAMINATION   |                             | VISUALLY AND BY MEASURING INSTRUMENT.   |                               |                        | ACCORDING TO DRAWING.   |                          |                                 | X                      | X                      |                         |
| MARKING   |                             | CONFIRMED VISUALLY.   |                               |                        |   |                          |                                 | -                      | -                      |                         |
| <b>ELECTRICAL CHARACTERISTICS</b>   |                             |   |                               |                        |   |                          |                                 |                        |                        |                         |
| CONTACT RESISTANCE  |                             | 10mA MAX (DC OR 1000Hz).  |                               |                        | CENTER CONTACT 25 mΩ MAX.   |                          |                                 | X                      | -                      |                         |
|   |                             |   |                               |                        | OUTER CONTACT 10 mΩ MAX.  |                          |                                 | X                      |                        |                         |
| INSULATION RESISTANCE   |                             | 100V DC.  |                               |                        | 500 MΩ MIN.   |                          |                                 | X                      | -                      |                         |
| VOLTAGE PROOF   |                             | 200V AC FOR 1min. CURRENT LEAKAGE 2mA MAX.  |                               |                        | NO FLASHOVER OR BREAKDOWN.  |                          |                                 | X                      | -                      |                         |
| VOLTAGE STANDING WAVE RATIO   |                             | 1 → FREQUENCY 0.045 TO 3GHz.  |                               |                        | VSWR 1.3 MAX.   |                          |                                 | X                      | -                      |                         |
|   |                             | FREQUENCY 3 TO 6GHz.  |                               |                        | VSWR 1.5 MAX.   |                          |                                 |                        |                        |                         |
|   |                             | FREQUENCY 6 TO 8GHz.  |                               |                        | VSWR 1.6 MAX.   |                          |                                 |                        |                        |                         |
| INSERTION LOSS  |                             | FREQUENCY --- TO --- GHz.   |                               |                        | ---dB MAX   |                          |                                 | -                      | -                      |                         |
| <b>MECHANICAL CHARACTERISTICS</b>   |                             |   |                               |                        |   |                          |                                 |                        |                        |                         |
| INSERTION AND WITHDRAWAL FORCES   |                             | MEASURED BY APPLICABLE CONNECTOR.   |                               |                        | INSERTION FORCE 30 N MAX.   |                          |                                 | X                      | -                      |                         |
|   |                             |   |                               |                        | EXTRACTION FORCE 4 TO 25 N.   |                          |                                 | X                      | -                      |                         |
| MECHANICAL OPERATION  |                             | 20TIMES INSERTIONS AND EXTRACTIONS.   |                               |                        | 1) CONTACT RESISTANCE:<br>CENTER CONTACT 30 mΩ MAX.<br>OUTER CONTACT 15 mΩ MAX.<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 1us.<br>2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.   |                          |                                 | X                      | -                      |                         |
| SHOCK   |                             | 735m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms<br>AT 3 TIMES FOR 6 DIRECTIONS.                           |                               |                        |   |                          |                                 | X                      | -                      |                         |
| <b>ENVIRONMENTAL CHARACTERISTICS</b>  |                             |   |                               |                        |   |                          |                                 |                        |                        |                         |
| DAMP HEAT   |                             | EXPOSED AT 40℃, 95 %<br><br>TOTAL 96h.  |                               |                        | 1) INSULATION RESISTANCE : 10 MΩ MIN. (AT HIGH HUMIDITY)<br>2) INSULATION RESISTANCE : 500 MΩ MIN. (AT DRY)<br>3) NO DAMAGE, CRACK OR LOOSENESS OF PARTS. |                          |                                 | X                      | -                      |                         |
| RAPID CHAGE OF TEMPERATURE  |                             | TEMPERATURE : -40 → 5-35 → +90 → 5-35 °C<br>TIME : 30 → 5 → 30 → 5 min.<br>UNDER 5 CYCLES.              |                               |                        | NO DAMAGE, CRACK OR LOOSENESS OF PARTS.   |                          |                                 | X                      | -                      |                         |
| CORROSION SALT MIST   |                             | EXPOSED IN 5 % SALT WATER SPRAY FOR 48h.  |                               |                        | NO HEAVY CORROSION.   |                          |                                 | X                      | -                      |                         |
| REMARKS   |                             |   |                               | CONDITIONS FOR TESTING |   | DRAWN                    | DESIGNED                        | CHECKED                | APPROVED               | RELEASED                |
| 1) VSWR was mounted to a 50Ω glass epoxy board and measurements were conducted with SMA conversion adapters attached.<br>UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402. |                             |   |                               |                        |   | AHN<br>19.07.03<br>W.Y   | AHN<br>19.07.03<br>W.Y          | KIM<br>19.07.03<br>H.S | KIM<br>19.07.03<br>H.S | ENG<br>19.07.03<br>DEPT |
| NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST   |                             |   |                               |                        |   |                          |                                 |                        |                        |                         |
| HIROSE KOREA CO.,LTD.   |                             |   | REFERENCE SPECIFICATION SHEET |                        |   |                          | PART NO.<br>K.FL2-PR-SMT09(800) |                        |                        |                         |
| CODE NO.(OLD)   |                             | DRAWING NO.   |                               | CODE NO.               |   |                          |                                 |                        | 1                      |                         |
|   |                             | ELC4-632121-80  |                               | CL 6345-0056-0-800     |   |                          |                                 |                        | 1                      |                         |