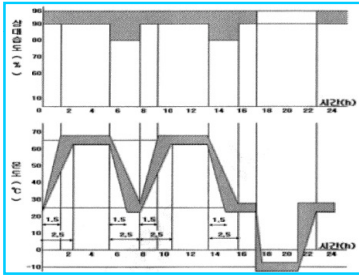


|                                                                   | Count                       | Description of revisions                                                                                                                 | By                         | Chkd | Date     |                                                                                                                                                                                                              | Count                     | Description of revisions       | By                                                                                    | Chkd | Date |  |  |  |
|-------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------|---------------------------------------------------------------------------------------|------|------|--|--|--|
| △                                                                 |                             |                                                                                                                                          |                            |      |          | △                                                                                                                                                                                                            |                           |                                |                                                                                       |      |      |  |  |  |
| △                                                                 |                             |                                                                                                                                          |                            |      |          | △                                                                                                                                                                                                            |                           |                                |                                                                                       |      |      |  |  |  |
| <b>Applicable standard</b>                                        |                             |                                                                                                                                          |                            |      |          |                                                                                                                                                                                                              |                           |                                |                                                                                       |      |      |  |  |  |
| Rating                                                            | Operating temperature range |                                                                                                                                          | -40℃ ~ +105℃               |      |          | Storage temperature range                                                                                                                                                                                    |                           | -10℃ ~ +50℃ (Packed Condition) |                                                                                       |      |      |  |  |  |
|                                                                   | Power                       |                                                                                                                                          | ---W                       |      |          | Characteristic impedance                                                                                                                                                                                     |                           | 50Ω (0 to 3GHz)                |                                                                                       |      |      |  |  |  |
|                                                                   | Peculiarity                 |                                                                                                                                          | ---                        |      |          | Applicable cable                                                                                                                                                                                             |                           | -                              |                                                                                       |      |      |  |  |  |
| <b>SPECIFICATIONS</b>                                             |                             |                                                                                                                                          |                            |      |          |                                                                                                                                                                                                              |                           |                                |                                                                                       |      |      |  |  |  |
| ITEM                                                              |                             | TEST METHOD                                                                                                                              |                            |      |          | REQUIREMENTS                                                                                                                                                                                                 |                           |                                |                                                                                       | QT   | AT   |  |  |  |
| <b>CONSTRUCTION</b>                                               |                             |                                                                                                                                          |                            |      |          |                                                                                                                                                                                                              |                           |                                |                                                                                       |      |      |  |  |  |
| General examination                                               |                             | Visually and by measuring instrument.                                                                                                    |                            |      |          | According to drawing.                                                                                                                                                                                        |                           |                                |                                                                                       | O    | O    |  |  |  |
| Marking                                                           |                             | Confirmed visually.                                                                                                                      |                            |      |          |                                                                                                                                                                                                              |                           |                                |                                                                                       | O    | O    |  |  |  |
| <b>ELECTRICAL CHARACTERISTICS</b>                                 |                             |                                                                                                                                          |                            |      |          |                                                                                                                                                                                                              |                           |                                |                                                                                       |      |      |  |  |  |
| Contact resistance                                                |                             | Mate applicable connector and apply a current of 1 mA AC(Or 1,000Hz).                                                                    |                            |      |          | Center contact : 30 mΩ Max.<br>Outer contact : 30 mΩ Max.<br>(Except for resistance of cable.)                                                                                                               |                           |                                |                                                                                       | O    | -    |  |  |  |
| Insulation resistance                                             |                             | Mate applicable connector and apply a voltage of DC 500 V.                                                                               |                            |      |          | 100 MΩ Min.                                                                                                                                                                                                  |                           |                                |                                                                                       | O    | -    |  |  |  |
| Voltage proof                                                     |                             | Mate applicable and apply a voltage of AC 500 V for 1 min.                                                                               |                            |      |          | No flashover or breakdown.                                                                                                                                                                                   |                           |                                |                                                                                       | O    | -    |  |  |  |
| Voltage standing wave ratio                                       |                             | Frequency 0 to 3GHz.                                                                                                                     |                            |      |          | VSWR 1.5 Max.                                                                                                                                                                                                |                           |                                |                                                                                       | O    | -    |  |  |  |
| <b>MECHANICAL CHARACTERISTICS</b>                                 |                             |                                                                                                                                          |                            |      |          |                                                                                                                                                                                                              |                           |                                |                                                                                       |      |      |  |  |  |
| Mechanical operation                                              |                             | 30 times insertions and extractions.                                                                                                     |                            |      |          | ① Contact resistance<br>Center contact : 50 mΩ Max.<br>Outer contact : 50 mΩ Max.<br>(Except for resistance of cable.)<br>② No damage, crack and looseness of parts.                                         |                           |                                |                                                                                       | O    | -    |  |  |  |
| Shock                                                             |                             | 980 m/s <sup>2</sup> direction of pulse 6ms at 10 times in 3 directions.                                                                 |                            |      |          | ① No electrical discontinuity of 1μs.<br>② Contact resistance<br>Center contact : 50 mΩ Max.<br>Outer contact : 50 mΩ Max.<br>(Except for resistance of cable)<br>③ No damage, crack and looseness of parts. |                           |                                |                                                                                       | O    | -    |  |  |  |
| <b>ENVIRONMENTAL CHARACTERISTICS</b>                              |                             |                                                                                                                                          |                            |      |          |                                                                                                                                                                                                              |                           |                                |                                                                                       |      |      |  |  |  |
| Rapid change of temperature<br>(NOTE 1)                           |                             | Temperature : -40±2 → 15~35 → +105±2 → 15~35 ℃<br>Time : 30 → 5 → 30 → 5 min<br>Under 200 cycles.                                        |                            |      |          | ① Contact resistance<br>Center contact : 50 mΩ Max.<br>Outer contact : 50 mΩ Max.<br>(Except for resistance of cable)                                                                                        |                           |                                |                                                                                       | O    | -    |  |  |  |
| Damp heat, cycle<br>(NOTE 1)                                      |                             | Exposed at 25±2 ℃, 65 % 25 h.<br><br>Under 10 cycles. |                            |      |          | ② No damage, crack or looseness of parts.<br>③ Insulation resistance : 10 MΩ Min.                                                                                                                            |                           |                                |                                                                                       | O    | -    |  |  |  |
| Remarks conditions for testing                                    |                             |                                                                                                                                          |                            |      | Drawn    | Designed                                                                                                                                                                                                     | Checked                   | Approved                       | Released                                                                              |      |      |  |  |  |
|                                                                   |                             |                                                                                                                                          |                            |      | D.G KIM  | D.G KIM                                                                                                                                                                                                      | H.S LEE                   | T. NOBE                        |  |      |      |  |  |  |
| Unless otherwise specified, refer to JIS C 5402.                  |                             |                                                                                                                                          |                            |      | 15.11.03 | 15.11.03                                                                                                                                                                                                     | 15.11.03                  | 15.11.03                       |                                                                                       |      |      |  |  |  |
| Note QT: Qualification test AT: Assurance test O: Applicable test |                             |                                                                                                                                          |                            |      |          |                                                                                                                                                                                                              |                           |                                |                                                                                       |      |      |  |  |  |
| HIROSE KOREA CO.,LTD.                                             |                             |                                                                                                                                          | SPECIFICATION SHEET        |      |          |                                                                                                                                                                                                              | Part No. POK15-R-SMT(800) |                                |                                                                                       |      |      |  |  |  |
| Code No.(OLD)<br>CL                                               |                             |                                                                                                                                          | Drawing No.<br>ELC4-632242 |      |          | Code No.<br>CL 6341-0009-5-800                                                                                                                                                                               |                           |                                |                                                                                       | 1/2  |      |  |  |  |

|                                                                                                        |                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                   |     |                              |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------|
| Dry heat<br>(NOTE 1)                                                                                   | Exposed at 105±2 °C, 300 h.                                                                                                                                                         | ① Contact resistance<br>Center contact : 50 mΩ Max.<br>Outer contact : 50 mΩ Max.<br>(Except for resistance of cable)<br>② No damage, crack or looseness of parts.<br>③ Insulation resistance : 10 MΩ Min.                                                                        | O   | —                            |
| Damp and humidity heat<br>(NOTE 1)                                                                     | Exposed at 85±2 °C, 85%, 500 h.                                                                                                                                                     | ① Contact resistance<br>Center contact : 50 mΩ Max.<br>Outer contact : 50 mΩ Max.<br>(Except for resistance of cable)<br>② No damage, crack or looseness of parts.<br>③ No evidence of corrosion which affects to operation of connector.<br>④ Insulation resistance : 10 MΩ Min. | O   | —                            |
| Corrosion salt spray<br>(NOTE 1)                                                                       | Exposed at 35±2 °C, 5±1 % salt water spray for 48 h.                                                                                                                                | ① Contact resistance<br>Center contact : 50 mΩ Max.<br>Outer contact : 50 mΩ Max.<br>(Except for resistance of cable)<br>② No damage, crack or looseness of parts.                                                                                                                | O   | —                            |
| Sulfur dioxide test<br>(NOTE 1)                                                                        | Exposed in 10 PPM, 40±2 °C, 90~95 % FOR 24 h.                                                                                                                                       | ③ No evidence of corrosion which affects to operation of connector.                                                                                                                                                                                                               | O   | —                            |
| Dust resistance<br>(NOTE 1)                                                                            | 1) Kind of dust : JIS R5210 cement of portland, 1.5 Kg.<br>2) 10 seconds every 15 minutes, 1h progressing.                                                                          | ① Contact resistance<br>Center contact : 50 mΩ Max.<br>Outer contact : 50 mΩ Max.<br>(Except for resistance of cable)<br>② No damage, crack or looseness of parts.<br>③ Insulation resistance : 10 MΩ Min.                                                                        | O   | —                            |
| Resistance to soldering heat                                                                           | Reflow soldering :<br>Peak temp : 260 °C Max for 30 s Min.<br>Reflow temp : 180 °C for 60~120 s.<br>3 cycle.                                                                        | ① No deformation of case of excessive looseness of the terminals.<br>② No damage of electrical performance coating of solder.                                                                                                                                                     | O   | —                            |
| COMBINE VIBRATION CHARACTERISTICS                                                                      |                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                   |     |                              |
| Combine vibration test<br>(NOTE 1)                                                                     | Exposed at 85±2°C, 90~95 %,<br>120 cycles (45 min : On, 15 min : Off)<br>Vibration acceleration 4.4 g (43.12 m/s <sup>2</sup> ).<br>Frequency 20 ~ 200 Hz at 40 h, in 3 directions. | ① No electrical discontinuity of 1 μs.<br>② Contact resistance<br>Center contact : 50 mΩ Max.<br>Outer contact : 50 mΩ Max.<br>(Except for resistance of cable)<br>③ No damage, crack and looseness of parts.                                                                     | O   | —                            |
| (NOTE 1) 10 times insertions and extractions the pre-test / exposed 24h.<br>Exposed 2h after the test. |                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                   |     |                              |
| Note QT: Qualification test AT: Assurance test O: Applicable test                                      |                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                   |     |                              |
| HIROSE KOREA CO.,LTD.                                                                                  |                                                                                                                                                                                     | SPECIFICATION SHEET                                                                                                                                                                                                                                                               |     | Part No.<br>POK15-R-SMT(800) |
| Code No.(OLD)<br>CL                                                                                    | Drawing No.<br>ELC4-632242                                                                                                                                                          | Code No.<br>CL 6341-0009-5-800                                                                                                                                                                                                                                                    | 2/2 |                              |