

|                                                               |                             |                                                                                                              |                                           |      |                      |                                                                                                                                                                  |                                      |                          |                                      |      |
|---------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------|------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------|--------------------------------------|------|
|                                                               | COUNT                       | DESCRIPTION OF REVISIONS                                                                                     | BY                                        | CHKD | DATE                 | COUNT                                                                                                                                                            | DESCRIPTION OF REVISIONS             | BY                       | CHKD                                 | DATE |
| △                                                             | 2                           | RE-6-3103                                                                                                    | YJM                                       | JHW  | 23.04.05             |                                                                                                                                                                  |                                      |                          |                                      |      |
|                                                               |                             |                                                                                                              |                                           |      |                      |                                                                                                                                                                  |                                      |                          |                                      |      |
| APPLICABLE STANDARD                                           |                             |                                                                                                              |                                           |      |                      |                                                                                                                                                                  |                                      |                          |                                      |      |
| RATING                                                        | OPERATING TEMPERATURE RANGE |                                                                                                              | -55℃ TO +85℃(note1)                       |      |                      | STORAGE TEMPERATURE RANGE                                                                                                                                        |                                      | -10℃ TO +60℃             |                                      |      |
|                                                               | VOLTAGE                     |                                                                                                              | 30 V AC/DC                                |      |                      | APPLICABLE CONNECTOR                                                                                                                                             |                                      | BK35G06-30DS4-0.35V(***) |                                      |      |
|                                                               | CURRENT                     |                                                                                                              | SIGNAL CONTACT 0.3A<br>POWER CONTACT 2.5A |      |                      |                                                                                                                                                                  |                                      |                          |                                      |      |
| SPECIFICATIONS                                                |                             |                                                                                                              |                                           |      |                      |                                                                                                                                                                  |                                      |                          |                                      |      |
| ITEM                                                          |                             | TEST METHOD                                                                                                  |                                           |      |                      | REQUIREMENTS                                                                                                                                                     |                                      |                          | QT                                   | AT   |
| CONSTRUCTION                                                  |                             |                                                                                                              |                                           |      |                      |                                                                                                                                                                  |                                      |                          |                                      |      |
| GENERAL EXAMINATION                                           |                             | CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT.                                                              |                                           |      |                      | ACCORDING TO DRAWING.                                                                                                                                            |                                      |                          | X                                    | X    |
| MARKING                                                       |                             | CONFIRMED VISUALLY.                                                                                          |                                           |      |                      |                                                                                                                                                                  |                                      |                          | X                                    | X    |
| ELECTRICAL CHARACTERISTICS                                    |                             |                                                                                                              |                                           |      |                      |                                                                                                                                                                  |                                      |                          |                                      |      |
| CONTACT RESISTANCE                                            |                             | 20mV AC OR LESS 1kHz, 1mA                                                                                    |                                           |      |                      | SIGNAL CONTACT : 50mΩ MAX<br>POWER CONTACT : 30mΩ MAX                                                                                                            |                                      |                          | X                                    | -    |
| INSULATION RESISTANCE                                         |                             | 100V DC                                                                                                      |                                           |      |                      | 50MΩ MIN                                                                                                                                                         |                                      |                          | X                                    | -    |
| VOLTAGE PROOF                                                 |                             | 100V AC FOR 1min.                                                                                            |                                           |      |                      | NO FLASHOVER OR BREAKDOWN                                                                                                                                        |                                      |                          | X                                    | -    |
| Voltage Standing Wave Ratio                                   |                             | Frequency 0~5 GHz                                                                                            |                                           |      |                      | VSWR 1.3 Max                                                                                                                                                     |                                      |                          | X                                    | -    |
|                                                               |                             | Frequency 5~10 GHz                                                                                           |                                           |      |                      | VSWR 1.4 Max                                                                                                                                                     |                                      |                          |                                      |      |
|                                                               |                             | Frequency 10~20 GHz                                                                                          |                                           |      |                      | VSWR 1.5 Max                                                                                                                                                     |                                      |                          |                                      |      |
|                                                               |                             | Frequency 20~40 GHz                                                                                          |                                           |      |                      | VSWR 1.8 Max                                                                                                                                                     |                                      |                          |                                      |      |
| MECHANICAL CHARACTERISTICS                                    |                             |                                                                                                              |                                           |      |                      |                                                                                                                                                                  |                                      |                          |                                      |      |
| MECHANICAL OPERATION                                          |                             | 10 TIMES INSERTIONS AND EXTRACTIONS.                                                                         |                                           |      |                      | ① CONTACT RESISTANCE:<br>SIGNAL CONTACT : 50mΩ MAX<br>POWER CONTACT : 30mΩ MAX<br>② NO DAMAGE, CRACK OR LOOSENESS OF PATRS.                                      |                                      |                          | X                                    | -    |
| VIBRATION                                                     |                             | FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min<br>SINGLE AMPLITUDE 0.75mm, 10CYCLES,<br>FOR 3 DIRECTIONS.          |                                           |      |                      | ① NO ELECTRICAL DISCONTINUITY OF 1μs.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.                                                                               |                                      |                          | X                                    | -    |
| SHOCK                                                         |                             | 490 m/s² DURATION OF PULSE 11ms AT 3 TIMES<br>FOR 3 DIRECTIONS.                                              |                                           |      |                      | ① NO ELECTRICAL DISCONTINUITY OF 1μs.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.                                                                               |                                      |                          | X                                    | -    |
| ENVITONMENTAL CHARACTERISTICS                                 |                             |                                                                                                              |                                           |      |                      |                                                                                                                                                                  |                                      |                          |                                      |      |
| RAPID CHANGE OF TEMPERATURE                                   |                             | TEMPERATURE -55 → +85℃<br>TIME 30 → 30 min<br>UNDER 5 CYCLES.<br>(RELOCATION TIME TO CHAMBER: WITHIN2~3 MIN) |                                           |      |                      | ① CONTACT RESISTANCE:<br>SIGNAL CONTACT : 50mΩ MAX<br>POWER CONTACT : 30mΩ MAX<br>② INSULATION RESISTANCE: 50MΩ MIN<br>③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. |                                      |                          | X                                    | -    |
| DAMP HEAT (STEADY STATE)                                      |                             | EXPOSED AT 40±2℃, 90 TO 95%, 96h.                                                                            |                                           |      |                      | ① CONTACT RESISTANCE:<br>SIGNAL CONTACT : 50mΩ MAX<br>POWER CONTACT : 30mΩ MAX<br>② INSULATION RESISTANCE: 25MΩ MIN<br>③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. |                                      |                          | X                                    | -    |
| SULPHUR DIOXIDE                                               |                             | EXPOSED IN 25 PPM FOR 96h, 25℃, 75±5%RH.<br>(Test standard : JIS C 60068)                                    |                                           |      |                      | ① CONTACT RESISTANCE:<br>SIGNAL CONTACT : 50mΩ MAX<br>POWER CONTACT : 30mΩ MAX<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.                                      |                                      |                          | X                                    | -    |
| REMARKS                                                       |                             |                                                                                                              |                                           |      | DRAWN                | DESIGNED                                                                                                                                                         | CHECKED                              | APPROVED                 | RELEASED                             |      |
| Note 1 : INCLUDE THE TEMPERATURE RISING BY CURRENT.           |                             |                                                                                                              |                                           |      | S.G.PARK<br>22.02.21 | S.G.PARK<br>22.02.21                                                                                                                                             | H.W.JO<br>22.02.21                   | H.W.JO<br>22.02.21       | <div>ENG<br/>23.04.05<br/>DEPT</div> |      |
| Unless otherwise specified, refer to JIS C 5402 and IEC 60512 |                             |                                                                                                              |                                           |      |                      |                                                                                                                                                                  |                                      |                          |                                      |      |
| HIROSE KOREA CO.,LTD.                                         |                             |                                                                                                              | SPECIFICATION SHEET                       |      |                      |                                                                                                                                                                  | PART NO.<br>BK35G06-30DP4-0.35V(800) |                          |                                      |      |
| CODE NO.(OLD)                                                 |                             | DRAWING NO.                                                                                                  |                                           |      | CODE NO.             |                                                                                                                                                                  |                                      | 1/1                      |                                      |      |
| CL                                                            |                             | △ ELC3-633949-80                                                                                             |                                           |      | △ CL 6695-0015-4-800 |                                                                                                                                                                  |                                      | 1/1                      |                                      |      |