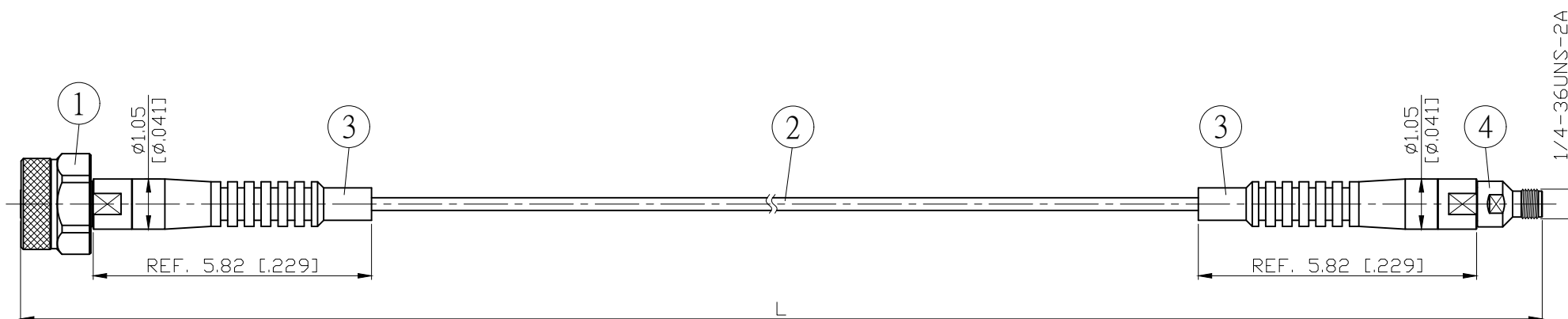


| NO. | COMPONENTS     | IMPEDANCE |
|-----|----------------|-----------|
| 1   | 2.4 NMD FEMALE | 50 OHM    |
| 2   | 5002A          | 50 OHM    |
| 3   | SLEEVE         |           |
| 4   | K FEMALE       | 50 OHM    |

| REVISION |                 |            |          |
|----------|-----------------|------------|----------|
| REV.     | DESCRIPTON      | DATE       | APPROVED |
| -        | INITIAL RELEASE | 2021/01/10 |          |

2.4 NMD FEMALE

K FEMALE



| L<br>CM (INCH)         | L1<br>M (MM)   |
|------------------------|----------------|
| 50 (19.685)            | 0.479 (479.0)  |
| 100 (39.370)           | 0.979 (979.0)  |
| 150 (59.055)           | 1.479 (1479.0) |
| 200 (78.740)           | 1.979 (1979.0) |
| Custom length<br>in CM | - - -          |

| Spec    | Phase stability<br>vs bending <sup>(1)</sup> | Amplitude stability vs<br>bending <sup>(2)</sup> | Max VSWR | Max IL                     | Flexure life cycle <sup>(3)</sup> |
|---------|--|--|----------|----------------------------|-----------------------------------|
| 3GHz    | ±0.3° typ / ±0.5° max                        | ±0.005dB typ / ±0.01dB max                       | 1.12 : 1 | ≤ (0.0128dB/cm*Lcm)+0.15dB | ≥ 100000                          |
| 6GHz    | ±0.5° typ / ±0.75° max                       | ±0.0075dB typ / ±0.015dB max                     | 1.15 : 1 | ≤ (0.0189dB/cm*Lcm)+0.20dB |                                   |
| 12.4GHz | ±0.75° typ / ±1.0° max                       | ±0.01dB typ / ±0.02dB max                        | 1.20 : 1 | ≤ (0.0293dB/cm*Lcm)+0.25dB |                                   |
| 18GHz   | ±1.0° typ / ±1.5° max                        | ±0.015dB typ / ±0.03dB max                       | 1.25 : 1 | ≤ (0.0361dB/cm*Lcm)+0.30dB |                                   |
| 26.5GHz | ±1.5° typ / ±2.0° max                        | ±0.02dB typ / ±0.04dB max                        | 1.25 : 1 | ≤ (0.0450dB/cm*Lcm)+0.40dB |                                   |
| 40GHz   | ±2.0° typ / ±3.5° max                        | ±0.03dB typ / ±0.06dB max                        | 1.30 : 1 | ≤ (0.0568dB/cm*Lcm)+0.50dB |                                   |

Notes:

- Operating Temp.: -40°C / +105°C
- Static bend radius 5.1mm
- Dynamic bend radius 20mm
- RoHS Compliant

- Per IEC 60966-1, section 8.6, method 1
- Per IEC 60966-1, section 8.4
- Per IEC 60966-1, section 9.3

| NO. | PARTS NO. | DESCRIPTION  | Q'TY         | U/M | LENGTH TOLERANCE<br>IS ±1.5% OR ±10MM,<br>WHICHEVER IS<br>GREATER. | STANDARD      | REV | UNIT     | <b>JYE BAO CO., LTD.</b><br>TAIPEI TAIWAN |                     |      |
|-----|-----------|--------------|--------------|-----|--|---------------|-----|----------|---|---------------------|------|
| 4   | U-2.92-F  | K JACK       | 1            | EA  |  | APPROVED      | -   | CM(INCH) |   |                     | DATE |
| 3   | U-5002A   | SLEEVE       | 2            | EA  |  | CHECKED       |     |          |   |                     | DATE |
| 2   | 5002A     | CABLE        | SEE TABLE L1 | M   |  | DRAWING       |     |          |   |                     | DATE |
| 1   | U-2.4N-F  | 2.4 NMD JACK | 1            | EA  |  | <i>Albert</i> |     |          | DATE                                      | DESCRIPTION         |      |
|     |           |              |              |     |  |               |     |          |   | JYE BAO DRAWING NO. |      |
|     |           |              |              |     |  |               |     |          |   | 248NK80-52A-40GXXX  |      |