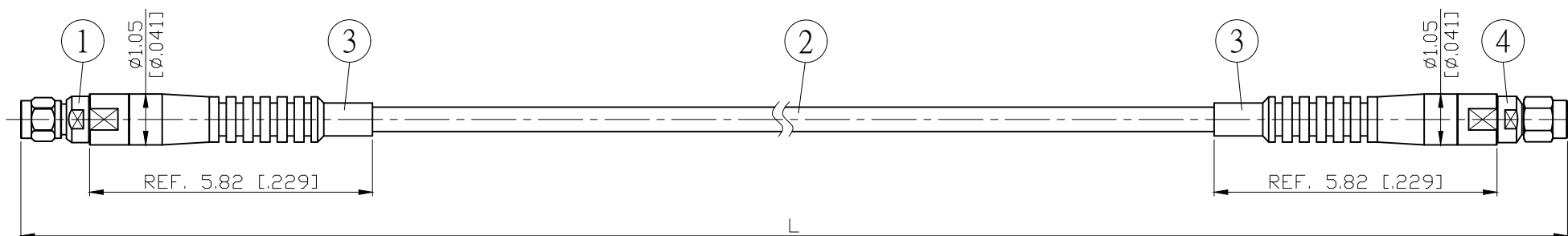


| NO. | COMPONENTS | IMPEDANCE |
|-----|------------|-----------|
| 1   | 1.85 MALE  | 50 OHM    |
| 2   | PHASETEST2 | 50 OHM    |
| 3   | SLEEVE     |           |
| 4   | 2.4 MALE   | 50 OHM    |

| REVISION |                 |            |          |
|----------|-----------------|------------|----------|
| REV.     | DESCRIPTON      | DATE       | APPROVED |
| -        | INITIAL RELEASE | 2020/10/30 |          |

1.85 MALE

2.4 MALE



| L<br>CM (INCH)         | L1<br>M (MM)   |
|------------------------|----------------|
| 50 (19.685)            | 0.480 (479.5)  |
| 100 (39.370)           | 0.980 (979.5)  |
| 150 (59.055)           | 1.480 (1479.5) |
| 200 (78.740)           | 1.980 (1979.5) |
| 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 |                                   |
| 50GHz   | ±3.0° typ / ±8.0° max                        | ±0.04dB typ / ±0.08dB max                        | 1.30 : 1 | ≤ (0.0640dB/cm*Lcm)+0.70dB |                                   |

Notes:

- Operating Temp.: -40°C / +105°C
- Static bend radius 15mm
- Dynamic bend radius 30mm
- 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<br>-      | UNIT<br>CM(INCH) | JYE BAO CO., LTD.<br>TAIPEI TAIWAN  |
|-----|------------|-------------|--------------|-----|--|----------|---------------|------------------|---|
| 4   | U-2.4-M    | 2.4 PLUG    | 1            | EA  |  | APPROVED |               | DATE             | DESCRIPTION<br>CABLE ASSEMBLY 1.85 PLUG TO 2.4 PLUG<br>JYE BAO DRAWING NO.<br>18302430-PT2-50GXXX |
| 3   | U-PT2      | SLEEVE      | 2            | EA  |  | CHECKED  |               | DATE             |   |
| 2   | PHASETEST2 | CABLE       | SEE TABLE L1 | M   |  | DRAWING  | <i>Albert</i> | DATE             |   |
| 1   | U-1.85-M   | 1.85 PLUG   | 1            | EA  |  |          |               | DATE             |   |