

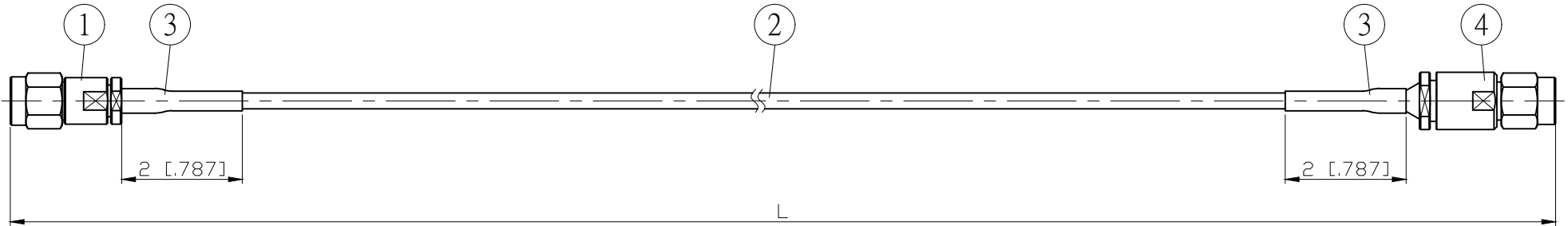
| NO. | COMPONENTS          | IMPEDANCE |
|-----|---------------------|-----------|
| 1   | K MALE              | 50 OHM    |
| 2   | 5002                | 50 OHM    |
| 3   | HEAT SHRINKING TUBE |           |
| 4   | 2.4 MALE            | 50 OHM    |

| REVISION |                 |            |          |
|----------|-----------------|------------|----------|
| REV.     | DESCRIPTON      | DATE       | APPROVED |
| -        | INITIAL RELEASE | 2021/03/24 |          |

## TEST LEAD WITH EXTRA STURDY CABLE / CONNECTOR CONNECTION.

K MALE

2.4 MALE



| L<br>CM (INCH)         | L1<br>M (MM)   |
|------------------------|----------------|
| 50 (19.685)            | 0.481 (480.5)  |
| 100 (39.370)           | 0.981 (980.5)  |
| 150 (59.055)           | 1.481 (1480.5) |
| 200 (78.740)           | 1.981 (1980.5) |
| 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 | ≥ 10000                           |
| 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                       | ±0.010dB 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                        | ±0.020dB typ / ±0.04dB max                       | 1.30 : 1 | ≤ (0.0450dB/cm*Lcm)+0.40dB |                                   |
| 40GHz   | ±2.0° typ / ±3.5° max                        | ±0.030dB typ / ±0.06dB max                       | 1.35 : 1 | ≤ (0.0568dB/cm*Lcm)+0.50dB |                                   |

Notes:

1. Operating Temp.: -55°C / +105°C
2. Static bend radius 5.1mm
3. Dynamic bend radius 30mm
4. RoHS Compliant

- (1) Per IEC 60966-1, section 8.6, method 1
- (2) Per IEC 60966-1, section 8.4
- (3) Per IEC 60966-1, section 9.3

|     |                   |             |              |     |
|-----|-------------------|-------------|--------------|-----|
| 4   | 2.4-3200S-5002    | 2.4 PLUG    | 1            | EA  |
| 3   | G5(F)-4.0MM-BLACK | TUBE        | 0.04         | M   |
| 2   | 5002              | CABLE       | SEE TABLE L1 | M   |
| 1   | K3200S-5002       | K PLUG      | 1            | EA  |
| 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) | <b>JYE BAO CO., LTD.</b><br>TAIPEI TAIWAN  |
|  | APPROVED                 | DATE     |                  |  |
|  | CHECKED                  | DATE     |                  |  |
|  | DRAWING<br><i>Albert</i> | DATE     |                  |  |
| DESCRIPTION<br>CABLE ASSEMBLY K PLUG TO 2.4 PLUG                   |                          |          |                  | JYE BAO DRAWING NO.<br>K302430-5002-40GXXX |