

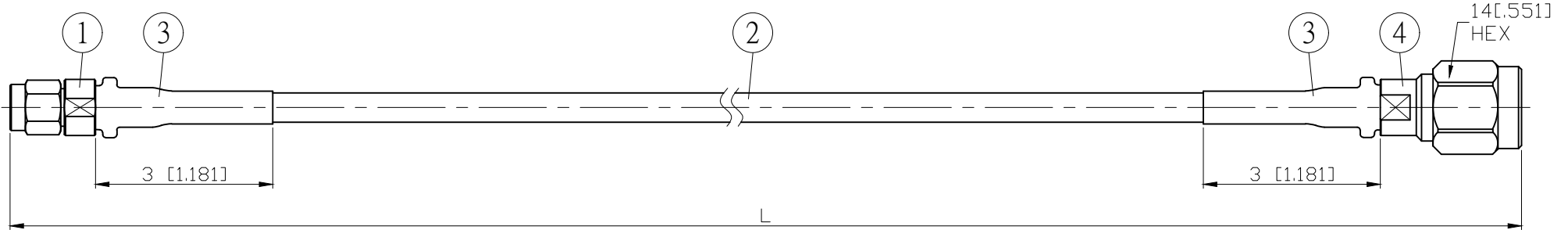
| NO. | COMPONENTS          | IMPEDANCE |
|-----|---------------------|-----------|
| 1   | SMA MALE            | 50 OHM    |
| 2   | 5005                | 50 OHM    |
| 3   | HEAT SHRINKING TUBE |           |
| 4   | TNC MALE            | 50 OHM    |

| REVISION |                 |            |          |
|----------|-----------------|------------|----------|
| REV.     | DESCRIPTON      | DATE       | APPROVED |
| -        | INITIAL RELEASE | 2020/12/30 |          |

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

SMA MALE

TNC MALE



| L<br>CM (INCH)         | L1<br>M (MM)   |
|------------------------|----------------|
| 50 (19.685)            | 0.478 (477.5)  |
| 100 (39.370)           | 0.978 (977.5)  |
| 150 (59.055)           | 1.478 (1477.5) |
| 200 (78.740)           | 1.978 (1977.5) |
| 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                        | ±0.01dB typ / ±0.02dB max                        | 1.15 : 1 | ≤ (0.0055dB/cm*Lcm)+0.15dB | ≥ 10000                           |
| 6GHz    | ±0.5° typ / ±1.0° max                        | ±0.02dB typ / ±0.04dB max                        | 1.20 : 1 | ≤ (0.0075dB/cm*Lcm)+0.20dB |                                   |
| 12.4GHz | ±0.75° typ / ±1.5° max                       | ±0.03dB typ / ±0.05dB max                        | 1.25 : 1 | ≤ (0.0106dB/cm*Lcm)+0.25dB |                                   |
| 18GHz   | ±1.0° typ / ±2.0° max                        | ±0.05dB typ / ±0.10dB max                        | 1.30 : 1 | ≤ (0.0132dB/cm*Lcm)+0.30dB |                                   |

Notes:

- Operating Temp.: -55°C / +125°C
- Static bend radius 16mm
- Dynamic bend radius 70mm
- 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

|     |                  |             |              |     | STANDARD  | REV<br>-      | UNIT<br>CM(INCH) | <b>JYE BAO CO., LTD.</b>            |  |
|-----|------------------|-------------|--------------|-----|---|---------------|------------------|-------------------------------------|--|
|     |                  |             |              |     | APPROVED  |               |                  | TAIPEI TAIWAN                       |  |
|     |                  |             |              |     | CHECKED   |               | DATE             | DESCRIPTION                         |  |
|     |                  |             |              |     | DRAWING   | <i>Albert</i> | DATE             | CABLE ASSEMBLY SMA PLUG TO TNC PLUG |  |
|     |                  |             |              |     |   |               |                  | JYE BAO DRAWING NO.                 |  |
|     |                  |             |              |     |   |               |                  | A30T30-5005-18GXXX                  |  |
| 4   | TNC3200AS-0L142  | TNC PLUG    | 1            | EA  | LENGTH TOLERANCE IS ±1.5% OR ±10MM, WHICHEVER IS GREATER. |               |                  |                                     |  |
| 3   | G5(F)-10MM-BLACK | TUBE        | 0.06         | M   |   |               |                  |                                     |  |
| 2   | 5005             | CABLE       | SEE TABLE L1 | M   |   |               |                  |                                     |  |
| 1   | SMA32NP-L142     | SMA PLUG    | 1            | EA  |   |               |                  |                                     |  |
| NO. | PARTS NO.        | DESCRIPTION | Q'TY         | U/M |   |               |                  |                                     |  |