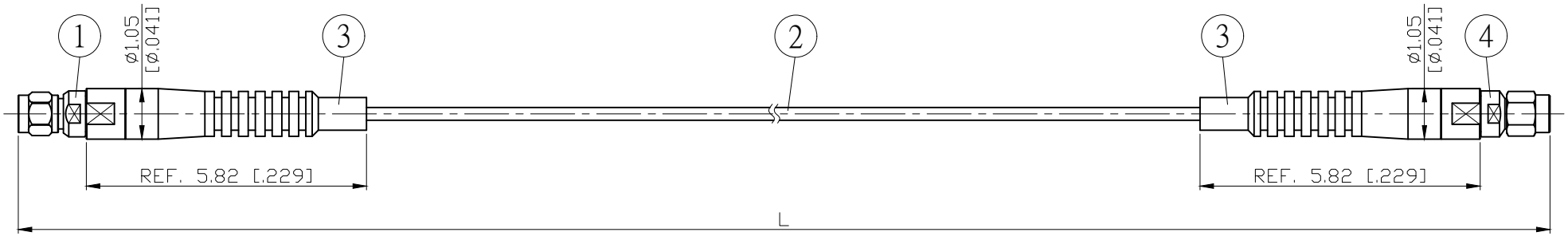
NO.	COMPONENTS	IMPEDANCE
1	1.85 MALE	50 OHM
2	5002A	50 OHM
3	SLEEVE	
4	2.4 MALE	50 OHM

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

1.85 MALE

2.4 MALE



L CM (INCH)	L1 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 in CM	– – –

Spec	Phase stability vs bending(1)	Amplitude stability vs bending(2)	Max VSWR	Max IL	Flexure life cycle(3)
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:
1. Operating Temp.: -40˚C / +105˚C
2. Static bend radius 5.1mm
3. Dynamic bend radius 20mm
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

NO.	PARTS NO.	DESCRIPTION	Q'TY	U/M
4	U-2.4-M	2.4 PLUG	1	EA
3	U-5002A	SLEEVE	2	EA
2	5002A	CABLE	SEE TABLE L1	M
1	U-1.85-M	1.85 PLUG	1	EA

LENGTH TOLERANCE IS ±1.5% OR ±10MM, WHICHEVER IS GREATER.

STANDARD	REV –	UNIT CM(INCH)
APPROVED	DATE	
CHECKED	DATE	
DRAWING Albert	DATE	

JYE BAO CO., LTD.
TAIPEI TAIWAN

DESCRIPTION
CABLE ASSEMBLY 1.85 PLUG TO 2.4 PLUG

JYE BAO DRAWING NO.
18302430-52A-50GXXX