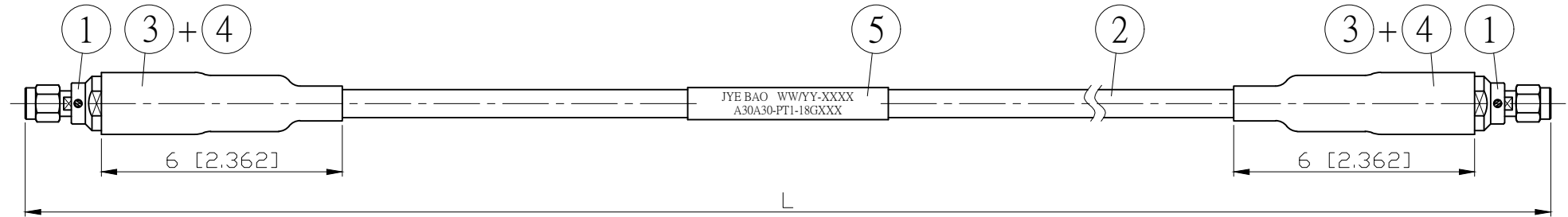


PHASE STABLE TEST CABLE

REVISION			
REV.	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE	2017/05/05	
A	REVISE NOTE	2018/06/06	
B	REVISE CONN. DESIGN AND NOTE	2019/01/22	



NOTES:

- WW/YY=Date code ; XXXX=Unique serial number.
印字內容: WW/YY-XXXX (WW=第幾週 ; YY=西元年 ; XXXX=流水號)
每批流水編號都是從0001開始 ; 流水號由0001、0002、0003.....依此類推。
- S11, S21 & Phase test report will be send along with each assembly.
每條組線需隨貨附 S11, S21, PHASE 測試報告, 並留存電子檔案。

JYE BAO P/N	Freq. (GHz)	Max. Return Loss	L CM (INCH)
A30A30-PT1-18GXXX	18	-17.7dB	50 (19.685)
			100 (39.370)
			150 (59.055)
			200 (78.740)
			CUSTOM LENGTH IN CM

NOTES:

- Min bend radius: static 25.4mm (1.0in) / dynamic 50.8mm (2.0in)
- Phase stability vs bending⁽¹⁾: $\pm 2.0^\circ$ typ / $\pm 4.5^\circ$ max
- Amplitude stability vs bending⁽²⁾: ± 0.02 dB typ / ± 0.05 dB max
- Shielding effectiveness: -100dB min up to 1GHz
- Flexure life cycle⁽³⁾: > 20000
- Mating cycles durability: > 5000
- Operating temperature: -55°C to +125°C

- (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

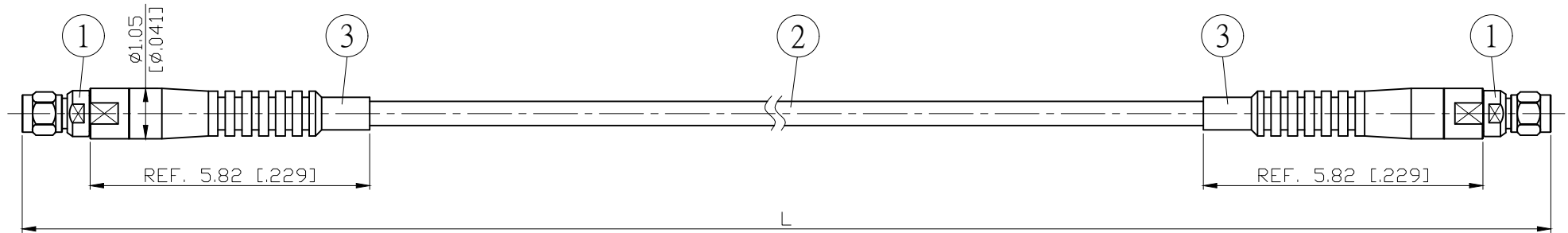
LENGTH TOLERANCE IS $\pm 1.5\%$ OR ± 10 MM, WHICHEVER IS GREATER.	JYE BAO CO., LTD.	
	TAIPEI TAIWAN	
	DESCRIPTION	SMA PLUG TO SMA PLUG 18GHz PHASE TEST1 CABLE
CUSTOMER DRAWING NO.	JYE BAO DRAWING NO.	A30A30-PT1-18GXXX

NO.	COMPONENTS	IMPEDANCE
1	1.85 MALE	50 OHM
2	PHASETEST2	50 OHM
3	SLEEVE	

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

1.85 MALE

1.85 MALE



L CM (INCH)	L1 M (MM)
50 (19.685)	0.480 (480.0)
100 (39.370)	0.980 (980.0)
150 (59.055)	1.480 (1480.0)
200 (78.740)	1.980 (1980.0)
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	
70GHz	±5.0° typ / ±10° max	±0.05dB typ / ±0.10dB max	1.35 : 1	≤ (0.0800dB/cm*Lcm)+0.80dB	

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

		LENGTH TOLERANCE IS ±1.5% OR ±10MM, WHICHEVER IS GREATER.		STANDARD		REV -	UNIT CM(INCH)	JYE BAO CO., LTD.	
				APPROVED		DATE		TAIPEI TAIWAN	
				CHECKED		DATE		DESCRIPTION CABLE ASSEMBLY 1.85 PLUG TO 1.85 PLUG	
				DRAWING		DATE		JYE BAO DRAWING NO. 18301830-PT2-70GXXX	
3	U-PT2	SLEEVE	2	EA					
2	PHASETEST2	CABLE	SEE TABLE L1	M					
1	U-1.85-M	1.85 PLUG	2	EA					
NO.	PARTS NO.	DESCRIPTION	Q'TY	U/M					

Albert