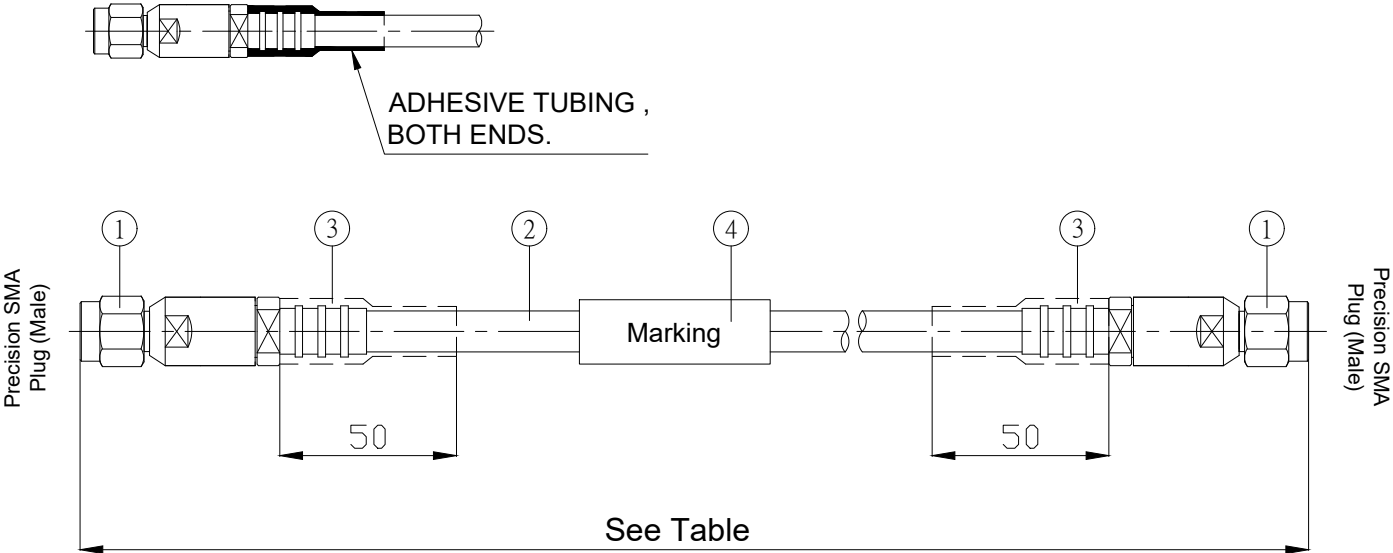


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SPECIFICATION CONTROL DRAWING

REVISION			
REV.	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE	JAN/26/2024	

Rosnol P/N			Length (mm)		
PCA1K50-MP533A-PCA1K50-1000A/26G			1000		
PCA1K50-MP533A-PCA1K50-XXXX/26G			Custom Length		
Electrical Data					
Impedance		50 ohm			
Frequency		DC-26.5 GHz			
Capacitance		87 pF/m (26.5 pF/ft)			
Velocity of Signal Propagation		80%			
Signal Delay		4.3 ns/m (1.31 ns/ft)			
Insulation Resistance		≥ 1 x 10 ⁸ MΩ/m			
Shielding Effectiveness		>100 dB (DC -18.0 GHz)			
Max. Operating Voltage		2.6 KVrms (at sea level)			
Frequency	VSWR Max.	Insertion Loss Max.	Phase Stability vs Flexure ¹	Amplitude Stability vs Flexure ²	Flex Life Cycle ³
3 GHz	1.12	≤ 0.000546 (dB/mm) * L (mm) + 0.1 (dB)	± 3° Typ. ± 5.5° Max.	± 0.05 dB Typ. ± 0.10 dB Max.	≥ 10000
6 GHz	1.15	≤ 0.000787 (dB/mm) * L (mm) + 0.1 (dB)			
12.4 GHz	1.20	≤ 0.00116 (dB/mm) * L (mm) + 0.1 (dB)			
18 GHz	1.20	≤ 0.001422(dB/mm) * L (mm) + 0.1 (dB)			
26 GHz	1.20	≤ 0.001761 (dB/mm) * L (mm) + 0.1 (dB)			
¹ Per IEC 60966-1, section 8.6, method 1.					
² Per IEC 60966-1, section 9.3.					
³ Per IEC 60966-1, section 8.4.					
Mechanical Data					
Weight		N/A			
Min. Bending Radius		Static 16 mm (.630 inch) Dynamic 25 mm (.984 inch)			
Environmental Data					
Operating Temperature		-55°C ~ +165°C			
RoHS / REACH		Compliant			



- NOTES:
- CONNECTORS ASSEMBLED PER MANUFACTURERS INSTRUCTIONS.
 - TEST AND MEASUREMENT 100%, DC-26 GHz VSWR X.XX, INSERTION LOSS: XXXX dB (SEE TABLE)
 - TEST REPORT SUPPLIED WITH ASSEMBLY.
 - MARKING DETAILS IF NOT SPECIAL MARKING TEXT:
ROSNOL DC-26 GHz
PCA1K50-MP533A-PCA1K50-1000A/26G
WWYY-SERIAL NUMBER

4	LABEL HEAT SHRINK TUBE	HST-W-D4-125C-G	1	EA	DIMENSION ARE IN MM [INCH] TOLERANCES DECIMALS .X $\pm$ 6.35 [.250"] .XX $\pm$ 3.18 [.125"] .XXX $\pm$ 1.52 [.060"] DEGREES X° $\pm$ 1°	CUSTOMER	REV	UNIT
3	HEAT SHRINK TUBE	HST-B-D6.4-125C-G	2X 50	mm		APPROVED	DATE	mm [inch]
2	CABLE	ROSNOL MP533A Cable	1000	mm				
1	Precision SMA SOLDER CLAMP PLUG	SMA1K50-MP533A/9XX	2	EA		DRAWN	DATE	
NO.	DESCRIPTION	PARTS NO.	QTY.	U/M				

ROSNOL
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N-CAGE Code: SFKK0

TITLE
Precision SMA Plug (Male) to Precision SMA Plug (Male)
1 Meter Cable Assembly for MP533A Cable

DRAWING NO.
PCA1K50-MP533A-PCA1K50-1000A/26G