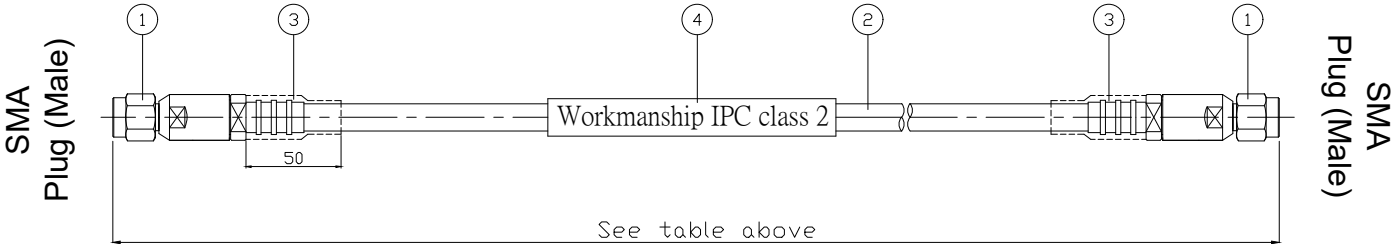


INFORMATION CONTAINED WITHIN THIS ROSNOL RF/MICROWAVE TECHNOLOGY CORP. DOCUMENT IS CONSIDERED PROPRIETARY AND IS THE PROPERTY OF ROSNOL RF/MICROWAVE TECHNOLOGY CORP.					
Rosnol P/N			Length (mm)		
A1K50-MP533A-PM-A1K50-5000A/3G			5000		
A1K50-MP533A-PM-A1K50-XXXX/3G			Custom Length		
Electrical Data					
Impedance		50 ohm			
Frequency		DC-3 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
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				

SPECIFICATION CONTROL DRAWING

REVISION			
REV.	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE	MAR/21/2024	



- NOTES:
- 1) CONNECTORS ASSEMBLED PER MANUFACTURERS INSTRUCTIONS.
 - 2) MARKING DETAILS IF NOT SPECIAL MARKING TEXT:
SAMPLE LIKE DRAWING
 - 3) Phase Matching: +/- 2 degree@ 3GHz
 - 4) 1 set: 36 cables
state IL matched +/-1.0dB across all 36 cables

4	LABEL HEAT SHRINK TUBE	HST-W-D4-125C-G	1	EA	DIMENSION ARE IN MM [INCH] TOLERANCES DECIMALS .X ± 6.35 [.250"] .XX ± 3.18 [.125"] .XXX ± 1.52 [.060"] DEGREES X° $\pm 1^\circ$	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	5000	mm		DRAWN		
1	SMA SOLDER CLAMP JACK	SMA1K50-MP533A/9X	2	EA				
NO.	DESCRIPTION	PARTS NO.	QTY.	U/M		DATE		

ROSNOL 
RF/Microwave Technology
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N-CAGE Code: SFKK0

TITLE
**SMA Plug (Male) to SMA Plug (Male)
5 Meter Cable Assembly for MP533A Cable**

DRAWING NO.
A1K50-MP533A-PM-A1K50-5000A/3G