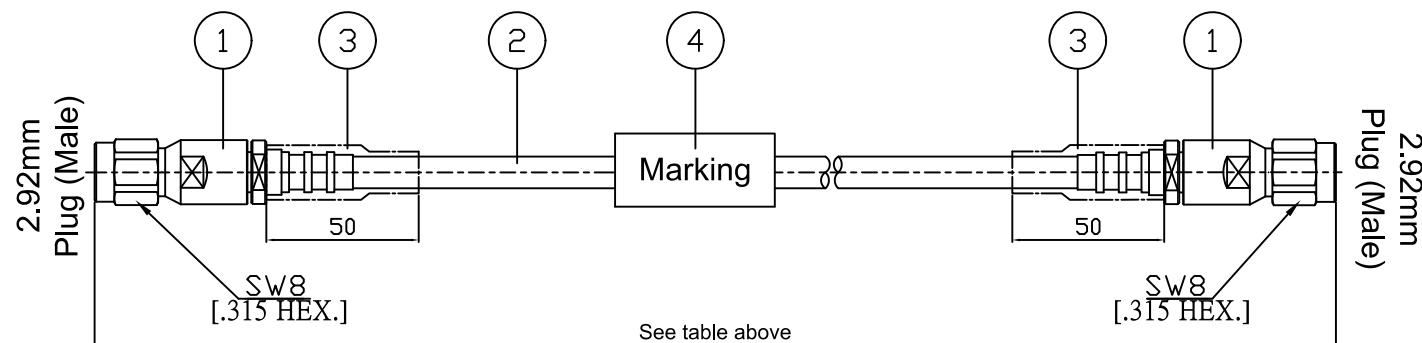


INFORMATION CONTAINED WITHIN THIS ROSNOL RF/MICROWAVE TECHNOLOGY CORP. DOCUMENT IS CONSIDERED PROPRIETARY AND IS THE PROPERTY OF ROSNOL RF/MICROWAVE TECHNOLOGY CORP.

Rosnol P/N	Length (mm)	
K1K50-MP420A-K1K50-4000A/40G	4000	
K1K50-MP420A-K1K50-3500A/40G	3500	
K1K50-MP420A-K1K50-3000A/40G	3000	
K1K50-MP420A-K1K50-2500A/40G	2500	
K1K50-MP420A-K1K50-2000A/40G	2000	
K1K50-MP420A-K1K50-1500A/40G	1500	
K1K50-MP420A-K1K50-1000A/40G	1000	
K1K50-MP420A-K1K50-500A/40G	500	
Frequency	VSWR Max.	Insertion Loss Max.
40 GHz	1.25	$\leq 0.00285 \text{ (dB/mm)} * L \text{ (mm)} + 0.1$

SPECIFICATION CONTROL DRAWING

REVISION			
REV.	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE	NOV/22/2024	



NOTES:

- 1) CONNECTORS ASSEMBLED PER MANUFACTURERS INSTRUCTIONS.
- 2) TEST AND MEASUREMENT 100%, DC-40 GHz VSWR X.XX, INSERTION LOSS: XXXX dB (SEE TABLE)
- 3) MARKING DETAILS IF NOT SPECIAL MARKING TEXT:
ROSNOL DC-40 GHz
K1K50-MP420A-K1K50-XXX/40G
WWYY-SERIAL NUMBER
- 4) Phase Stability vs Bending*: $\pm 5^\circ$ typ/ $\pm 9.5^\circ$ max
- 5) Amplitude Stability vs Bending*: ± 0.1 dB typ/ ± 0.2 dB max
- 6) Operating Temperature Range: -55°C to $+120^\circ\text{C}$
- 7) Min. Bend Radius: 10mm
- 8) ALL DIMENSIONS ARE IN MM ; LENGTH TOLERANCES : ± 3 mm FOR $L \leq 300$ mm ; $\pm 1\%$ FOR $L > 300$ mm
- 9) according to IEC60966-1, wrapped a 360° around a mandrel of 57 mm (2.25 in) radius.

CUSTOMER'S APPROVAL

Department or company's stamp

Name:

Date:

Copy and send back to
ROSNOL CORPORATION BEFORE:

4	LABEL HEAT SHRINK TUBE	HST-W-D4-125C	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 mm [inch]
3	HEAT SHRINK TUBE	HST-B-D4.8-125C-G	2X 50	mm				
2	CABLE	ROSNOL MP420A Cable (OD 4.2mm)	See table above	mm				
1	2.92mm SOLDER CLAMP PLUG	K1K50-MP420A/9XX	2	EA				
NO.	DESCRIPTION	PARTS NO.	QTY.	U/M	DRAWN	DATE		

ROSNOL RF/Microwave Technology
www.rosnol.com
info@rosnol.com
N-CAGE Code: SFKK0

TITLE
2.92mm Plug (Male) to 2.92mm Plug (Male)
XXX Meter Cable Assembly for MP420A Cable

DRAWING NO.
K1K50-MP420A-K1K50-XXX/40G