

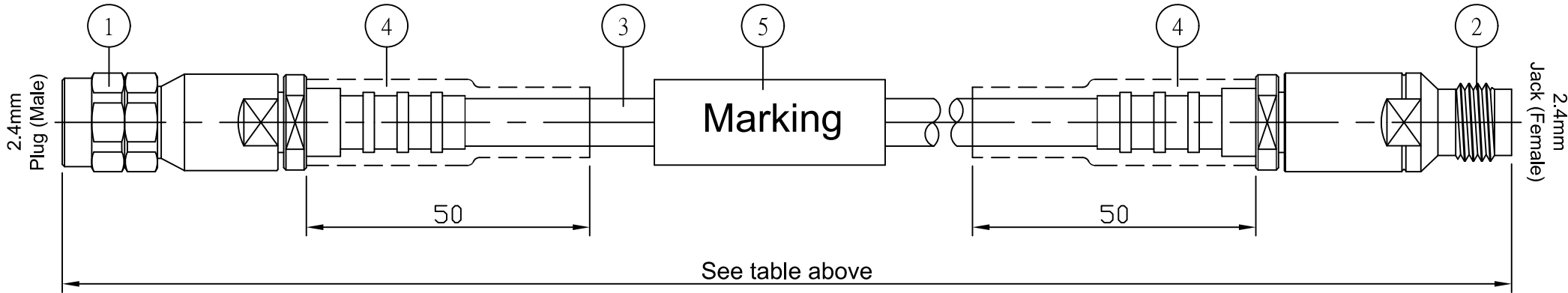
INFORMATION CONTAINED WITHIN THIS ROSNOL RF/MICROWAVE TECHNOLOGY CORP. DOCUMENT IS CONSIDERED PROPRIETARY AND IS THE PROPERTY OF ROSNOL RF/MICROWAVE TECHNOLOGY CORP.

Rosnol P/N		Length (mm)
Q1K50-MP420A-Q2K50-1000A/40G		1000
Q1K50-MP420A-Q2K50-2500A/40G		2500
Q1K50-MP420A-Q2K50-5000A/40G		5000
Frequency	VSWR Max.	Insertion Loss Max. (dB)
40 GHz	1.25	$\leq 0.00285 \text{ (dB/mm)} * L \text{ (mm)} + 0.15 * \sqrt{f}$

SPECIFICATION CONTROL DRAWING

REVISION

REV.	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE	MAY/26/2025	



CUSTOMER'S APPROVAL

Department or
company's stamp

Name:

Date:

Copy and send back to
ROSNOL CORPORATION BEFORE:

NOTES:

- CONNECTORS ASSEMBLED PER MANUFACTURERS INSTRUCTIONS.
- MARKING DETAILS IF NOT SPECIAL MARKING TEXT:
ROSNOL DC- 40 GHz
Q1K50-MP420A-Q2K50-XXX/40G
WW/YY - SERIAL NUMBER
- ALL DIMENSIONS ARE IN MM ; LENGTH TOLERANCES :
 $\pm 3 \text{ mm}$ FOR $L \leq 300 \text{ mm}$; $\pm 1\%$ FOR $L > 300 \text{ mm}$

5	LABEL HEAT SHRINK TUBE	HST-W-D6-125C	1	EA
4	HEAT SHRINK TUBE	HST-B-D6.4-125C-G	2X 50	mm
3	CABLE	ROSNOL MP420A Cable	See table above	mm
2	2.4mm SOLDER CLAMP JACK	Q2K50-MP420A/9X	1	EA
1	2.4mm SOLDER CLAMP PLUG	Q1K50-MP420A/9XX	1	EA
NO.	DESCRIPTION	PARTS NO.	QTY.	U/M

DIMENSION ARE IN MM [INCH]	CUSTOMER	REV	UNIT
TOLERANCES		—	mm [inch]
	APPROVED		
	DATE		
	DRAWN		
DATE			
DECIMALS			
.X ± 6.35 [.250"]			
.XX ± 3.18 [.125"]			
.XXX ± 1.52 [.060"]			
DEGREES			
X° ± 1°			

ROSNOL



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

TITLE
2.4mm Plug (Male) to 2.4mm Jack (Female)
XXX Meter Cable Assembly for MP420A Cable

DRAWING NO.
Q1K50-MP420A-Q2K50-XXX/40G