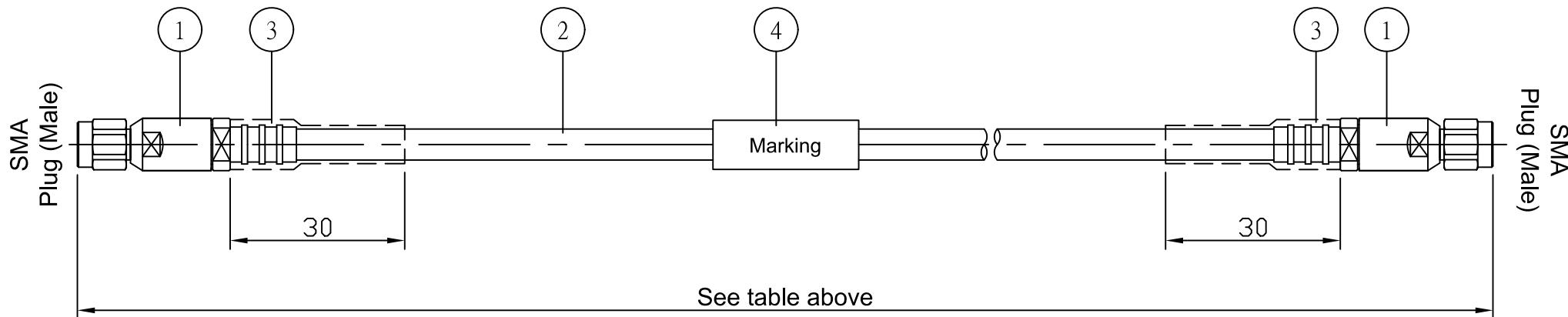


INFORMATION CONTAINED WITHIN THIS ROSNOL RF/MICROWAVE TECHNOLOGY CORP. DOCUMENT IS CONSIDERED PROPRIETARY AND IS THE PROPERTY OF ROSNOL RF/MICROWAVE TECHNOLOGY CORP.

| Rosnol P/N                          | Length (mm) |  |
|-------------------------------------|-------------|--|
| A1K50-MP533A-PM-A1K50-250A/<br>8.5G | 250         |  |
| Frequency                           | VSWR Max.   | Insertion Loss Max. (dB)   |
| 8.5 GHz                             | 1.25        | $\leq 0.000808 \text{ (dB/mm)} * L \text{ (mm)} + 0.15 * \sqrt{f}$ |

## SPECIFICATION CONTROL DRAWING

| REVISION |                 |             |          |
|----------|-----------------|-------------|----------|
| REV.     | DESCRIPTION     | DATE        | APPROVED |
| -        | INITIAL RELEASE | JUN/12/2025 |          |



### NOTES:

- 1) CONNECTORS ASSEMBLED PER MANUFACTURERS INSTRUCTIONS.
- 2) MARKING DETAILS IF NOT SPECIAL MARKING TEXT:  
ROSNOL DC- 8.5 GHz  
A1K50-MP533A-PM-A1K50-250A/8.5G  
WW/YY - SERIAL NUMBER
- 3) ALL DIMENSIONS ARE IN MM ; LENGTH TOLERANCES :  
 $\pm 3 \text{ mm}$  FOR  $L \leq 300\text{mm}$  ;  $\pm 1\%$  FOR  $L > 300\text{mm}$
- 4) Phase Matching:  $\pm 5$  degree@ 8.5 GHz
- 5) Amplitude Matching :  $\pm 0.05 \text{ dB}$

### 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-D6-125C       | 1     | EA  | DIMENSION ARE IN MM [INCH]<br><br>TOLERANCES<br><br>DECIMALS<br>.X $\pm 6.35$ [.250"]<br>.XX $\pm 3.18$ [.125"]<br>.XXX $\pm 1.52$ [.060"]<br><br>DEGREES<br>X° $\pm 1$ ° | CUSTOMER | REV<br>- | UNIT<br>mm [inch] |
| 3   | HEAT SHRINK TUBE       | HST-B-D6.4-125C-G   | 2X 30 | mm  |   |          |          |                   |
| 2   | CABLE                  | ROSNOL MP533A Cable | 250   | mm  |   | APPROVED | DATE     |                   |
| 1   | SMA SOLDER CLAMP PLUG  | SMA1K50-MP533A/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  
SMA Plug (Male) to SMA Plug (Male)  
0.25 Meter Cable Assembly for MP533A Cable

DRAWING NO.  
A1K50-MP533A-PM-A1K50-250A/8.5G