

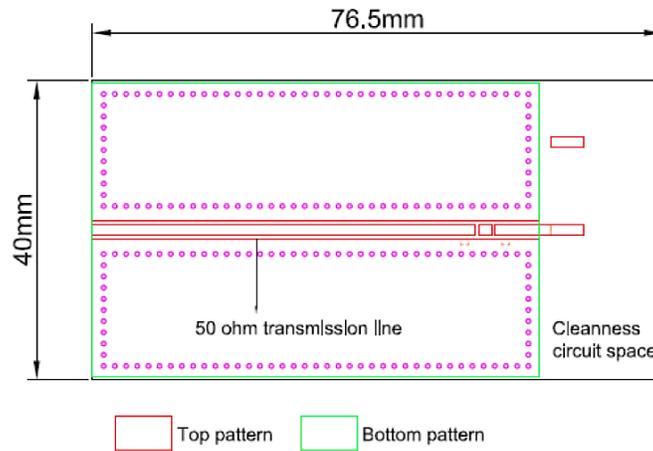
ELECTRICAL SPECIFICATION

PARAMETERS		VALUE	UNIT
Working Frequency		315.000	MHz
Gain, typ		2.0	dBi
Return Loss, max		-10	dB
VSWR, max		2.0	-
Polarization		Linear	-
Azimuth Beamwidth		Omni-directional	-
Impedance		50	Ω
Rated Power, max		1	W
Operating Temperature Range		-40 ~ +85	$^{\circ}\text{C}$
Storage Temperature Range		-40 ~ +85	$^{\circ}\text{C}$
Storage Condition before Soldering (Included packaging material)	Storage Temperature Range	+5 ~ +40	$^{\circ}\text{C}$
	Relative Humidity	30 ~ 70	%

MECHANICAL SPECIFICATION

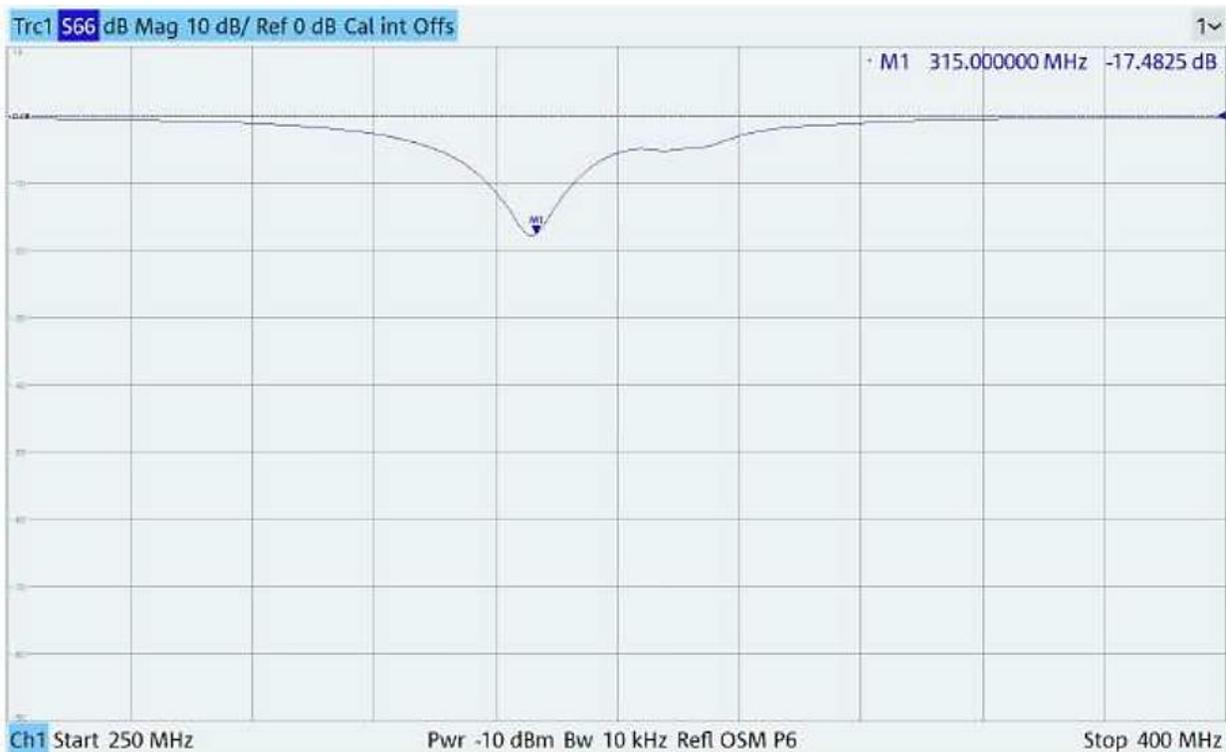
CONSTRUCTION		PIN		Connection	
Top view		P1		P1	Feed termination
		P2		P2	Solder termination
DIMENSION		Figure	Symbol	Dimension (mm)	
Top view		L		12.30 ± 0.25	
Side view		T		1.60 ± 0.15	
Bottom view		A		0.8 ± 0.15	
		B		0.8 ± 0.10	

■ TEST BOARD

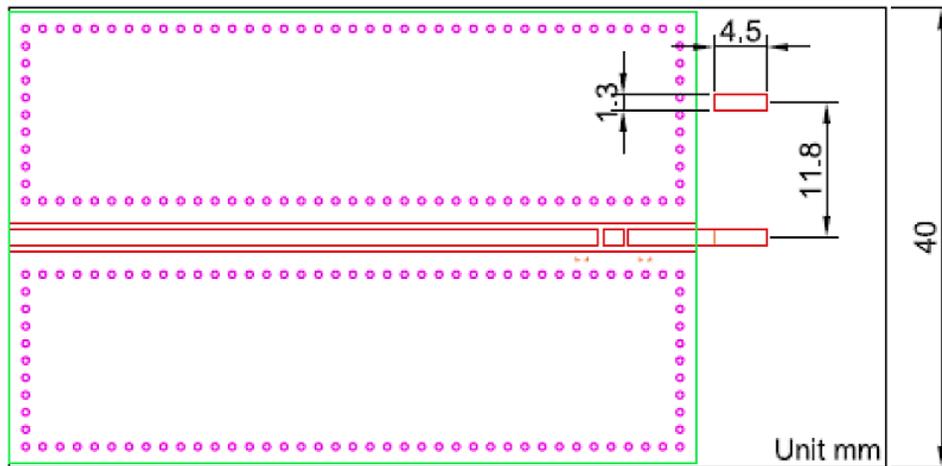


■ FREQUENCY CHARACTERISTICS

RETURN LOSS



■ SOLDER LAND PATTERN DESIGN



 Top pattern  Bottom pattern

■ ENVIRONMENTAL

PARAMETER	VALUE
RoHS	Compliant
REACH SVHC	Compliant
HALOGEN-FREE	Compliant



■ APPROVAL

RALTRON	
DRAWN BY:	EV, March 19, 2026
APPROVED BY:	AR, March 19, 2026
REVISION:	A, Initial Release

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