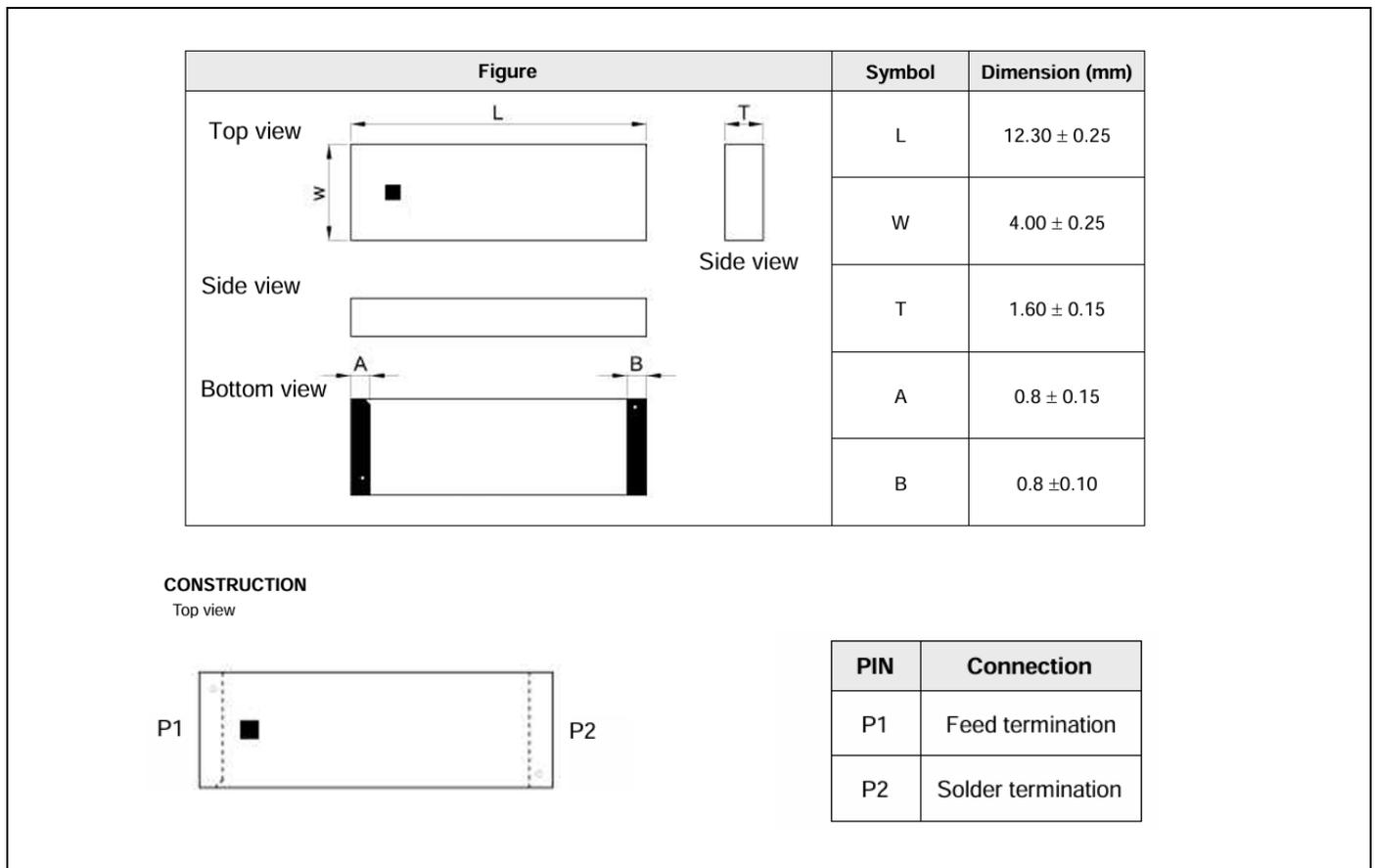


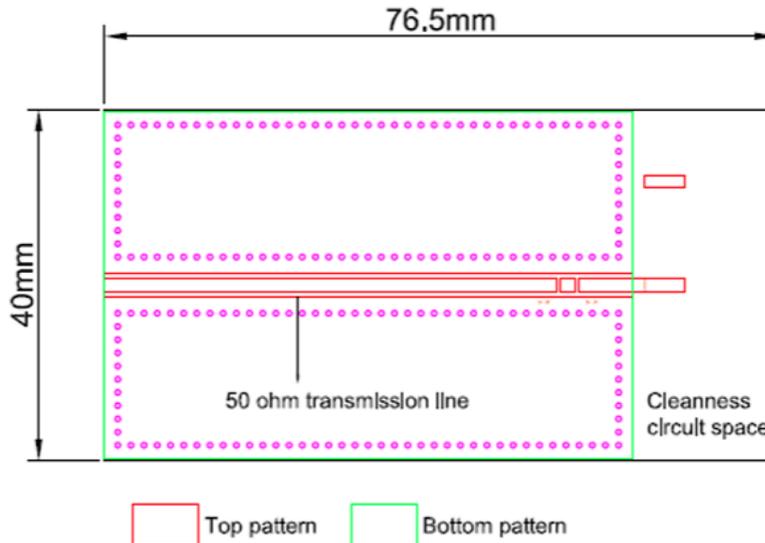
ELECTRICAL SPECIFICATION

PARAMETERS		VALUE	UNIT
Working Frequency		433.000	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



■ TEST BOARD

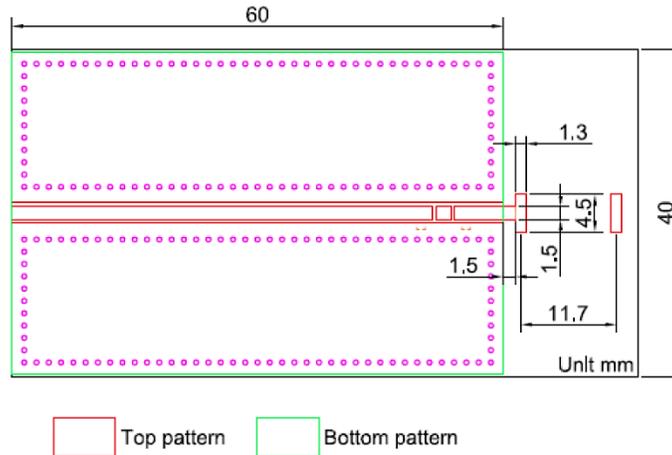


■ FREQUENCY CHARACTERISTICS

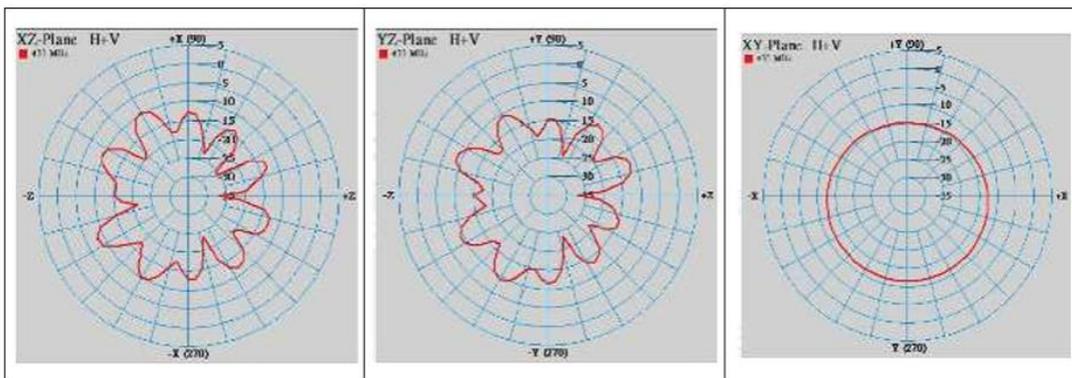
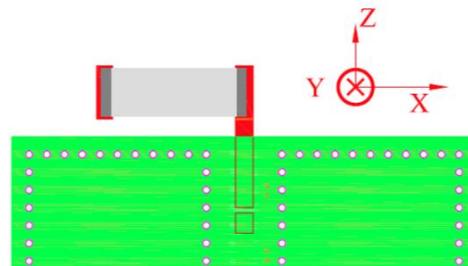
RETURN LOSS



SOLDER LAND PATTERN DESIGN



RADIATION PATTERN



Frequency [MHz]	ZX plane		ZY plane		XY plane	
	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
433	-8.11	-13.77	-8.26	-13.56	-11.46	-12.84

■ ENVIRONMENTAL

PARAMETER	VALUE
RoHS	Compliant
REACH SVHC	Compliant
HALOGEN-FREE	Compliant

■ APPROVAL

RALTRON	
DRAWN BY:	AR, March 23, 2026
APPROVED BY:	CP, March 23, 2026
REVISION:	A, Initial Release



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