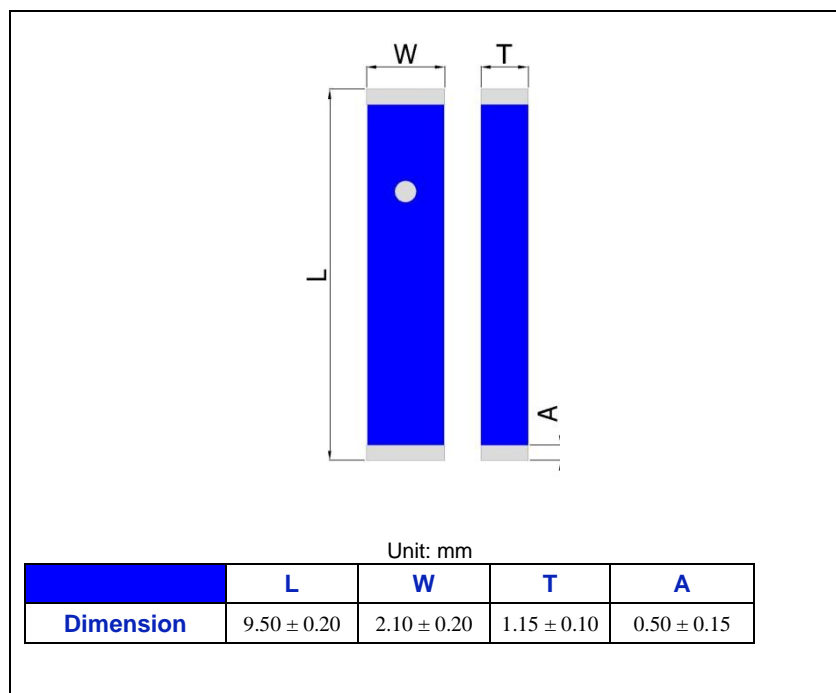


ELECTRICAL SPECIFICATION

SPECIFICATIONS	SPECIFICATIONS	UNIT
Working Frequency Range	2.4 ~ 2.5	GHz
Azimuth Bandwidth	Omni-directional	--
Gain, Typical	2	dBi
VSWR (Max)	2.0	--
Impedance	50	Ω
Polarization	Linear	--
Rated Power (Max)	3	Watts
Maximum Input Power (for 5 minutes)	5	Watts
Operating Temperature	-40 to +125	$^{\circ}\text{C}$

MECHANICAL SPECIFICATION

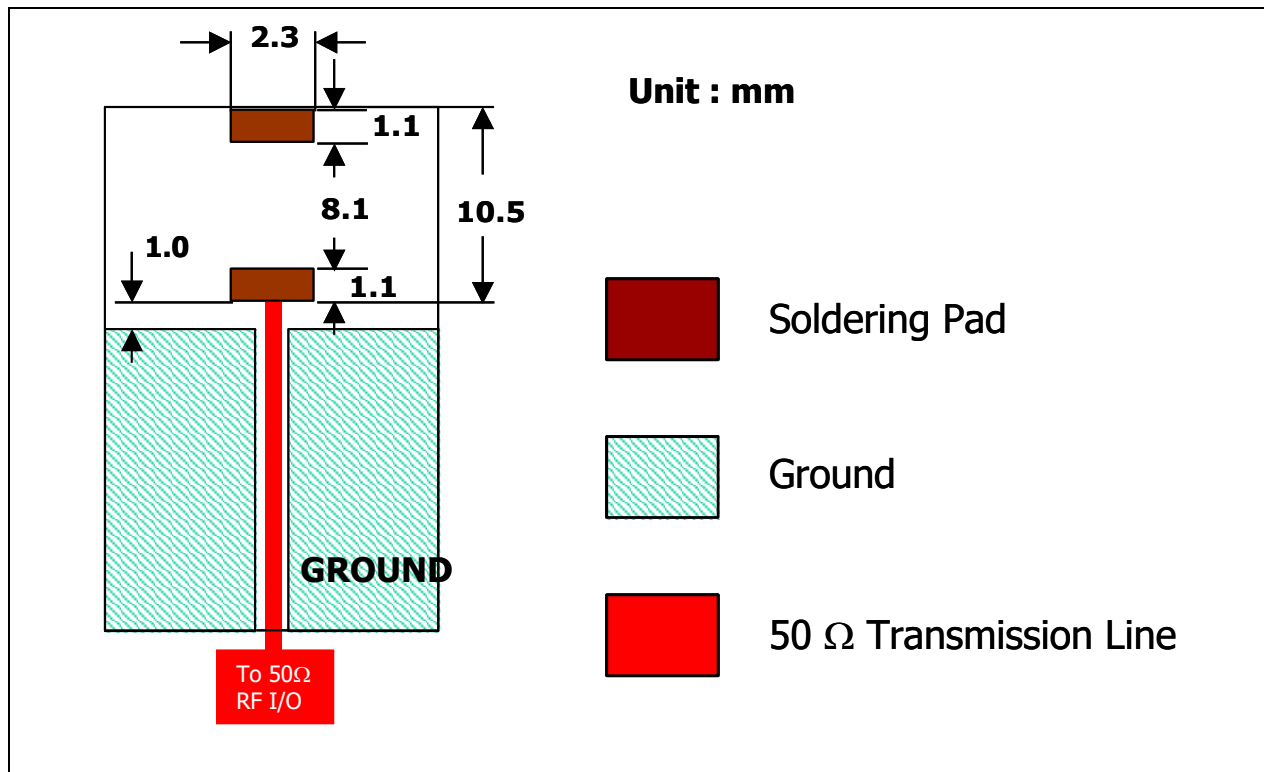


TOP VIEW



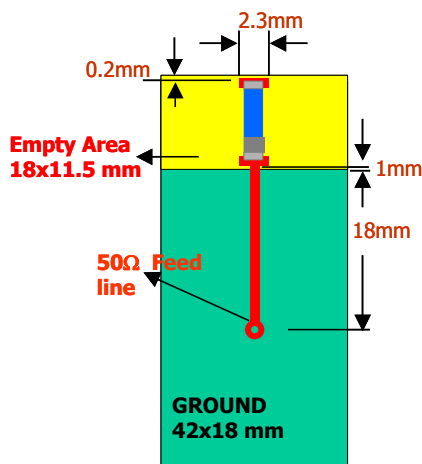
PIN	Connection
1	Feeding
2	Soldering terminal

■ SOLDER LAND PATTERN DESIGN

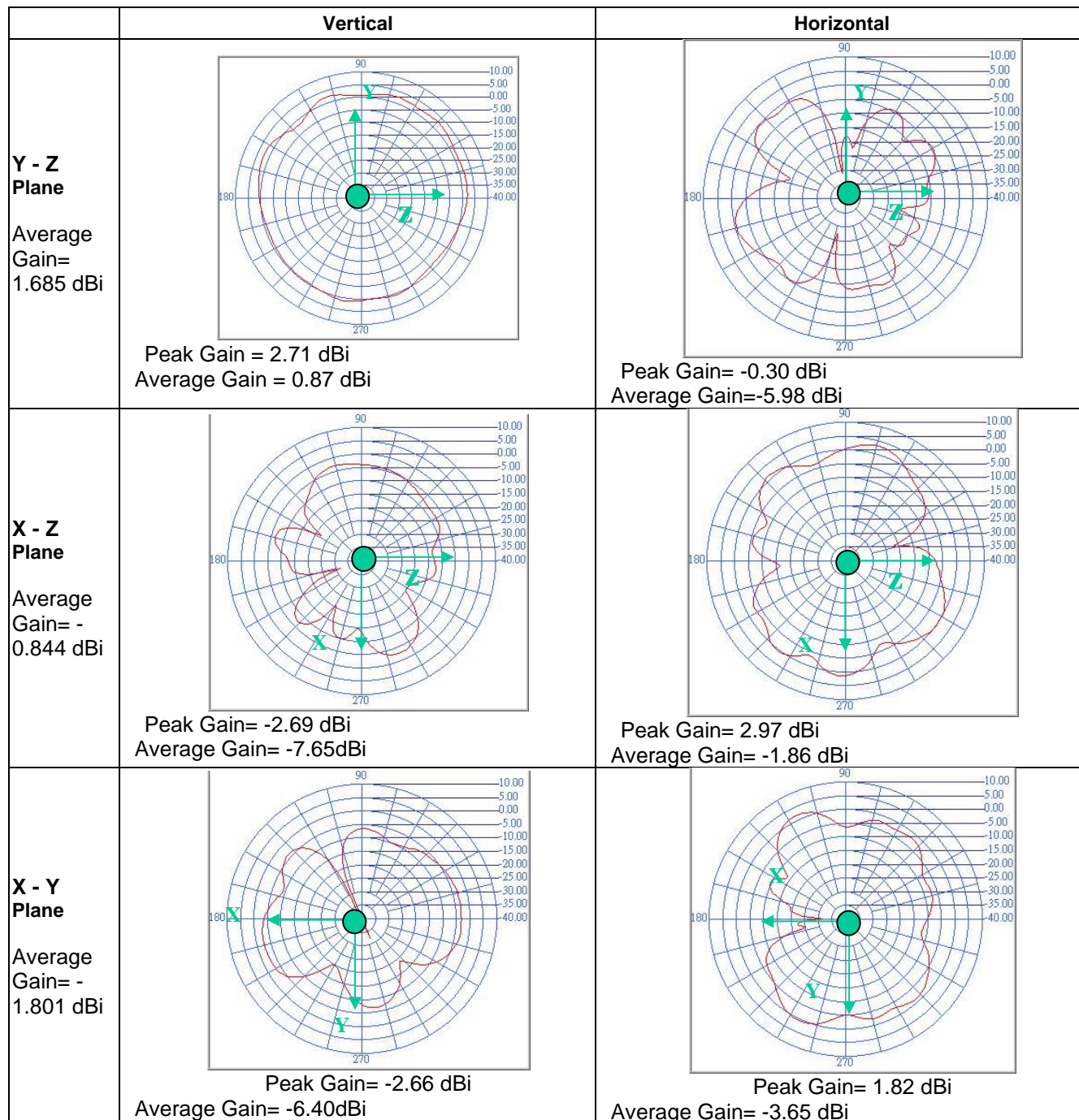


■ RADIATION PATTERN

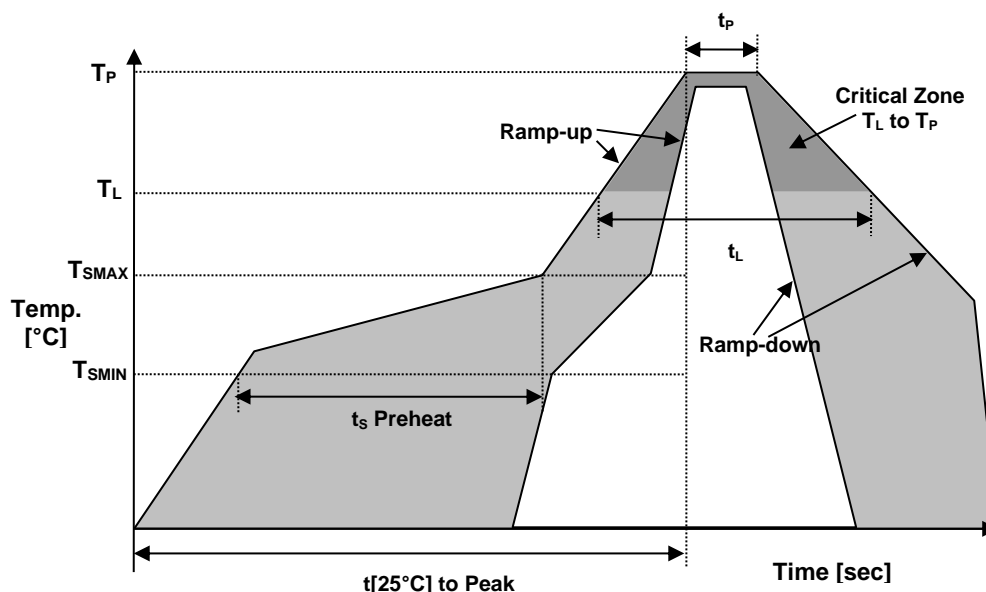
Radiation Pattern and Gain were dependent on board design based on the PCB size and installation position as shown in the below figure Test Board.



■ RADIATION PATTERN (Continued)



REFLOW PROFILE



Reflow profile		
Temperature Min Preheat	T _{SMIN}	150°C
Temperature Max Preheat	T _{SMAX}	200°C
Time (T _{SMIN} to T _{SMAX})	t _s	60-180 sec.
Temperature	T _L	217°C
Peak Temperature	T _P	250°C
Ramp-up rate	R _{UP}	3°C/sec max.
Ramp-down rate	R _{DOWN}	6°C/sec max.
Time within 5°C of Peak Temperature	t _p	10 sec.
Time t[25°C] to Peak Temperature	t[25°C] to Peak	480 sec.
Time	t _L	60-150 sec.

• ENVIRONMENTAL

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
RoHS2	6/6 COMPLIANT & LEAD FREE
REACH-SVHC	COMPLIANT
HALOGEN-FREE	COMPLIANT
TERMINATION FINISH	Au



• APPROVAL

RALTRON	
DRAWN BY:	F. Parra, 24 October 2014
APPROVED BY:	F. Parra, 24 October 2014
REVISION:	A, Initial Release

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