

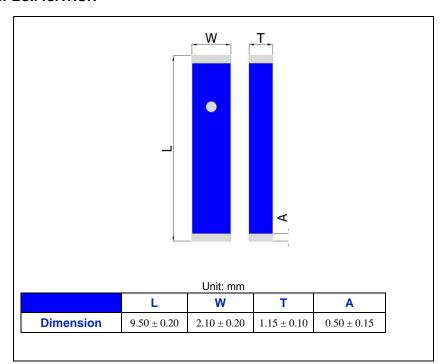
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ELECTRICAL SPECIFICATION

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	°C

MECHANICAL SPECIFICATION



TOP VIEW



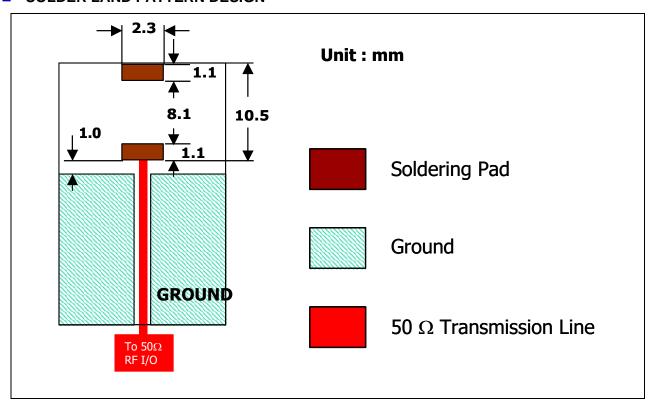
PIN	Connection	
1	Feeding	
2	Soldering terminal	



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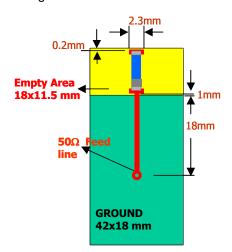
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SOLDER LAND PATTERN DESIGN



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.

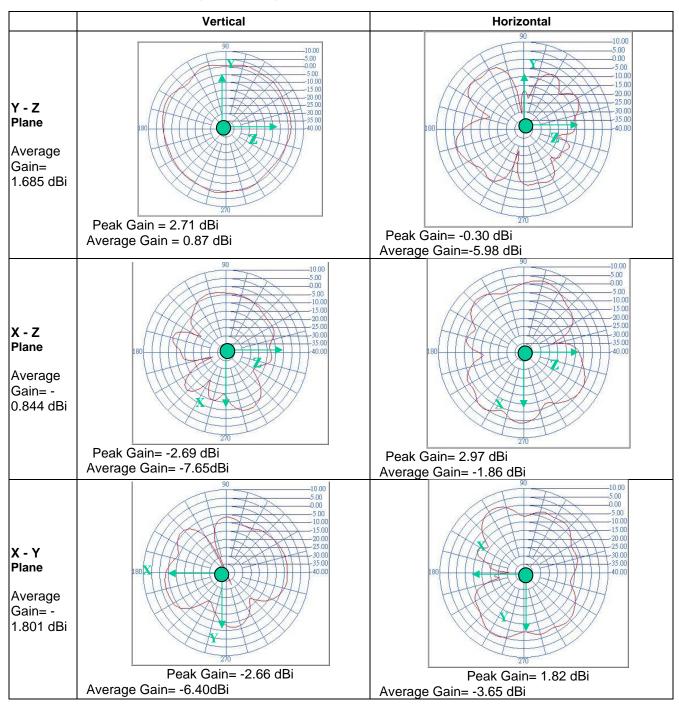




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RADIATION PATTERN (Continued)

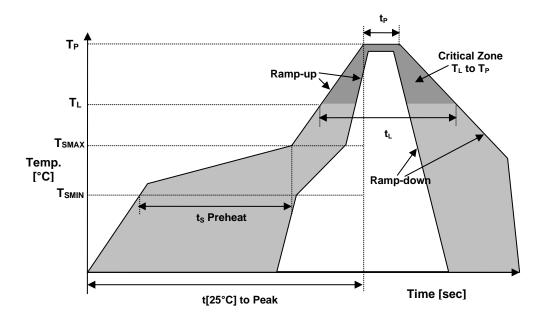




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REFLOW PROFILE



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	tL	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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