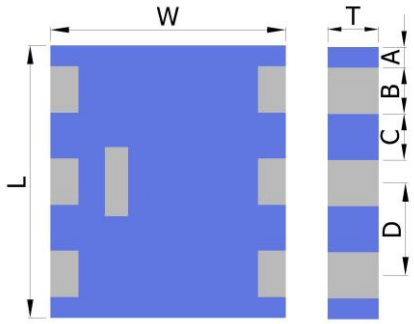
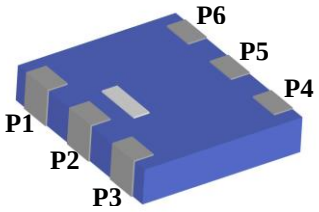
RCA-6050-L1-TR

ELECTRICAL SPECIFICATION

SPECIFICATIONS	SPECIFICATIONS	UNIT
Frequency Range	2.45 / 5.25 / 5.85	GHz
Bandwidth (typical)	100 / 200 / 100	MHz
Gain, Typical	4 / 4 / 4	dBi
VSWR (max)	2.0	--
Impedance	50	Ω
Polarization	Linear	--

MECHANICAL SPECIFICATION



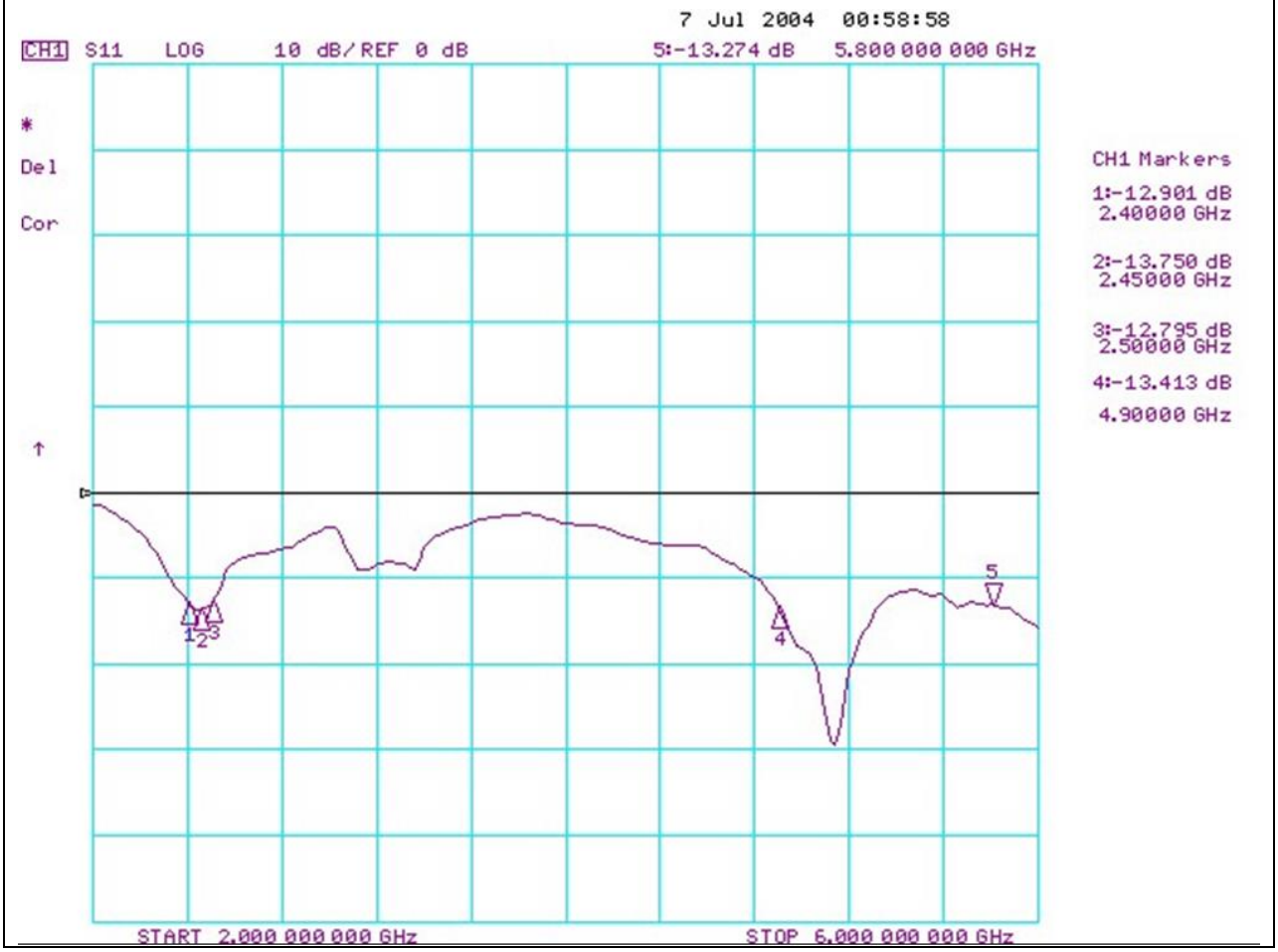


Unit: mm

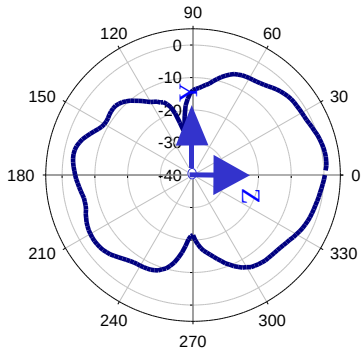
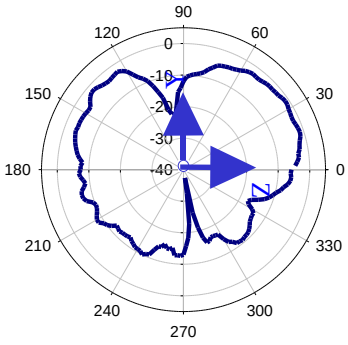
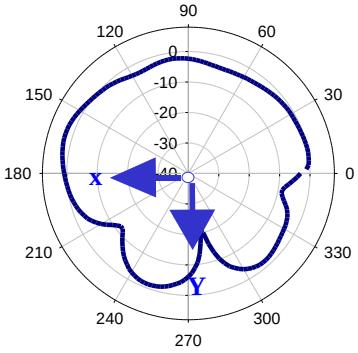
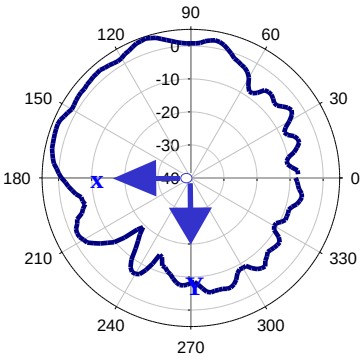
	L	W	T	A	B	C	D
Dimension	5.90 ± 0.30	5.10 ± 0.30	1.10 ± 0.10	0.45 ± 0.20	1.00 ± 0.20	1.00 ± 0.20	2.00 ± 0.20

Pin	1	2	3	4	5	6
Connection	GND	RF Feed	GND	Solder	Solder	Solder

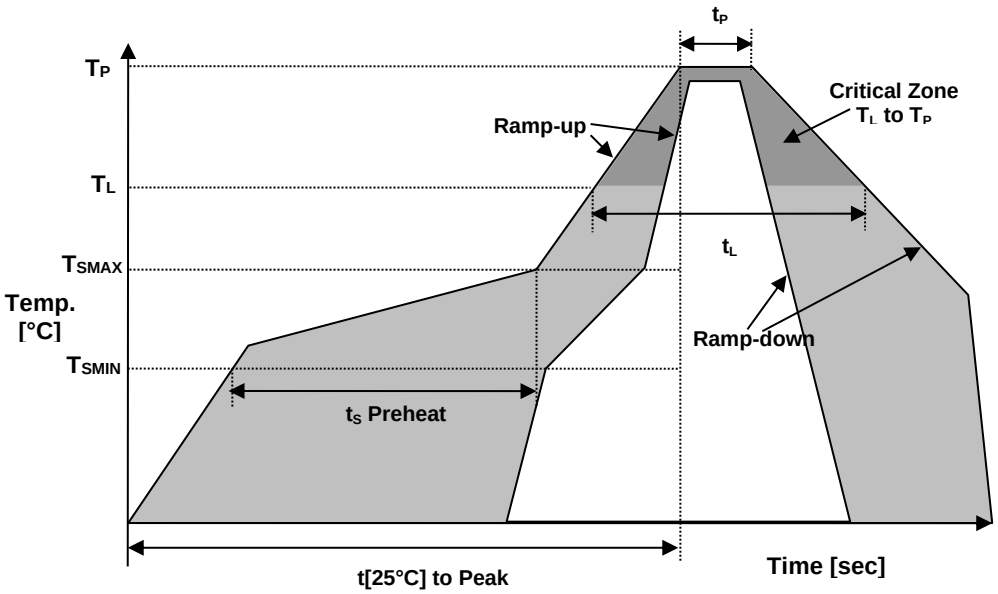
Return Loss (S11)



-12.90 dB @ 2.40 GHz
-13.75 dB @ 2.45 GHz
-12.79 dB @ 2.50 GHz
-13.41 dB @ 4.90 GHz
-13.27 dB @ 5.80 GHz

Radiation Pattern		
	2.45 GHz	5.80 GHz
E-Plane	 Peak Gain= 0.94 dBi Average Gain= -4.86 dBi	 Peak Gain = 1.10 dBi Average Gain = -6.30 dBi
H-Plane	 Peak Gain = 0.16 dBi Average Gain = -4.33 dBi	 Peak Gain = 4.37 dBi Average Gain = -1.68 dBi

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

RoHS Compliant

• APPROVAL

RALTRON	
DRAWN BY:	F. Parra, 2 February 2015
APPROVED BY:	F. Parra, 2 February 2015
REVISION:	A, Initial Release

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