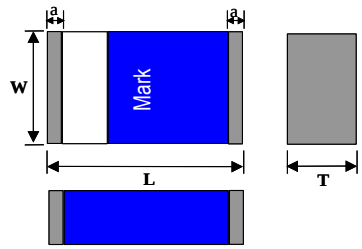
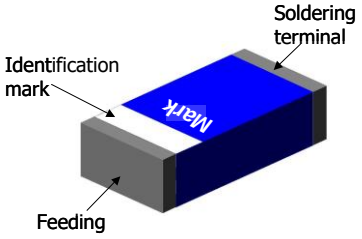
RCA-E-3216-J2-TR

ELECTRICAL SPECIFICATION

PARAMETER	GPS	GLONASS	UNIT
Central Frequency	1.570 ~ 1.580	1.593 ~ 1.615	GHz
Bandwidth	10.0	22.0	MHz
Peak Gain	2.40 @ 1.575GHz	2.42 @ 1.604GHz	dBi
Efficiency	82.68 @ 1.575GHz	82.65 @ 1.604GHz	%
VSWR, max	2		-
Azimuth Beamwidth	Omni-directional		-
Impedance	50		Ω
Polarization	Linear		--

MECHANICAL SPECIFICATION

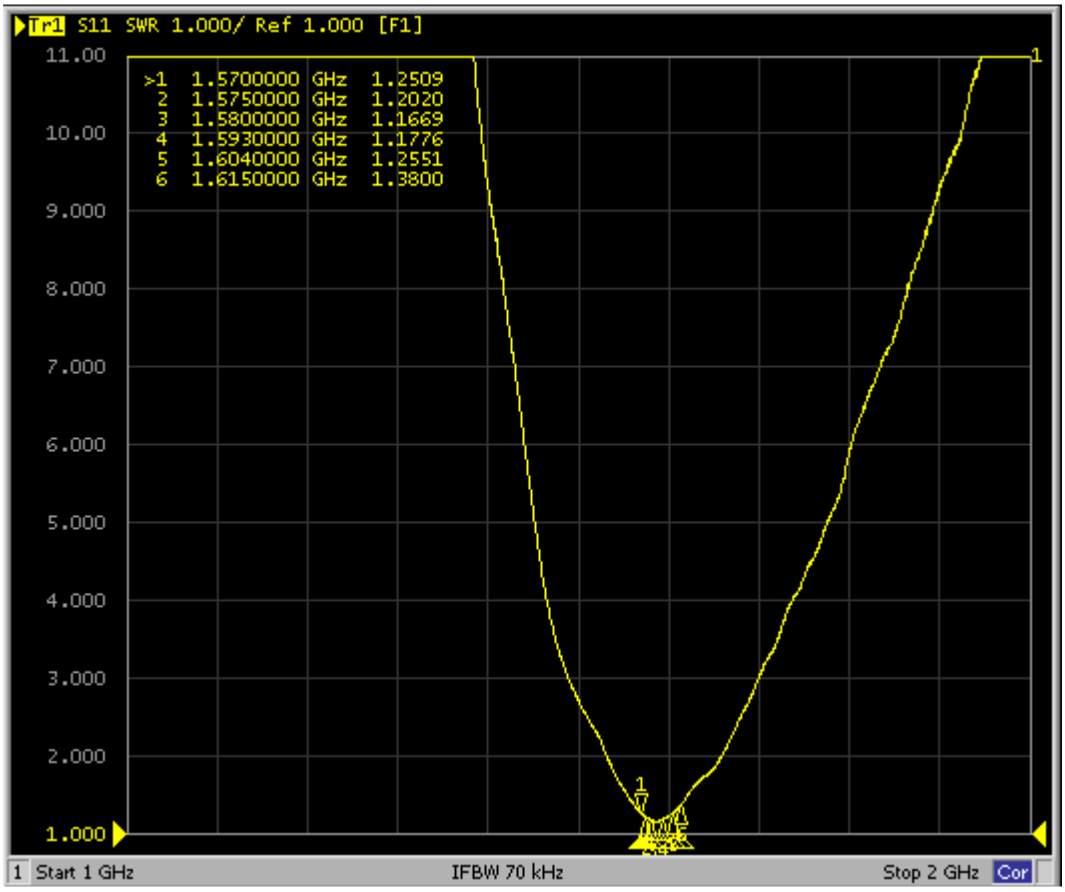




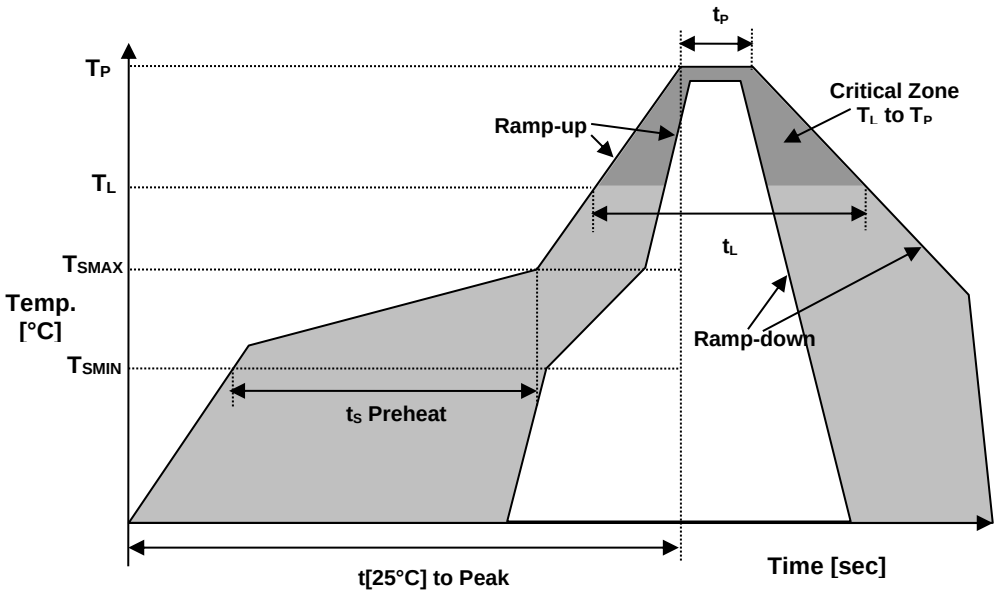
Unit: mm

	L	W	T	a
Dimension	3.1 ± 0.20	1.6 ± 0.20	0.60 ± 0.10	0.25 ± 0.15

VSWR


Tr1 S11 SWR 1.000/ Ref 1.000 [F1]
11.00
10.00
9.000
8.000
7.000
6.000
5.000
4.000
3.000
2.000
1.000
>1 1.5700000 GHz 1.2509
2 1.5750000 GHz 1.2020
3 1.5800000 GHz 1.1669
4 1.5930000 GHz 1.1776
5 1.6040000 GHz 1.2551
6 1.6150000 GHz 1.3800
1
1
1 Start 1 GHz
IFBW 70 kHz
Stop 2 GHz
Cor

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	Sn

RoHS Compliant

• APPROVAL

RALTRON	
DRAWN BY:	CP, December 17, 2015
APPROVED BY:	CP, December 17, 2015
REVISION:	A, Initial Release

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