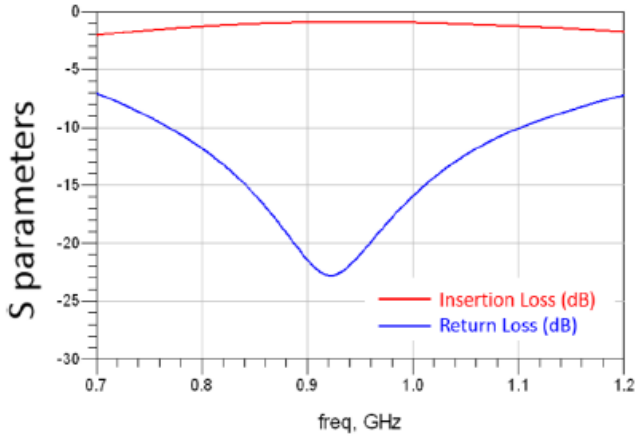
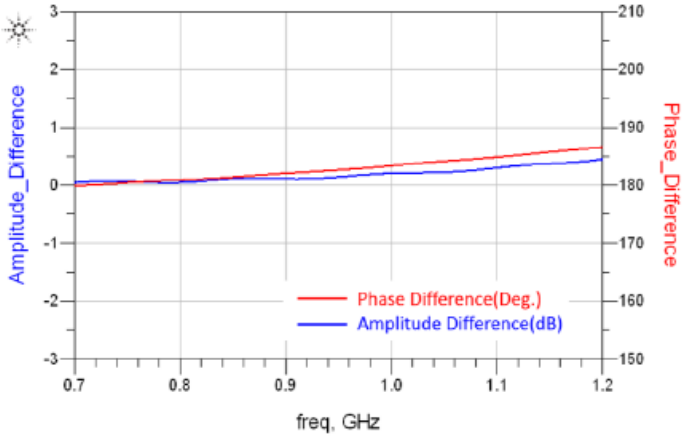
RBL-2012-G9D4-TR

ELECTRICAL SPECIFICATION

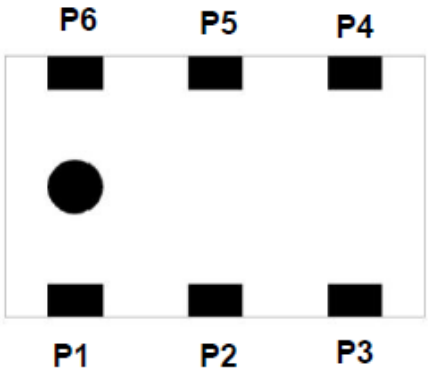
PARAMETERS	SPECIFICATIONS	UNIT
Frequency Range	880.00 to 960.00	MHz
Insertion Loss, max	1.3	dB
Unbalance Impedance	50	Ω
Balance Impedance	50	Ω
Phase Difference	180° ± 10°	
VSWR, max	2.0	
Amplitude Difference, max	1.0	dB
Operating Temperature Range	-40 ~ +85	°C

TYPICAL ELECTRIC CHART

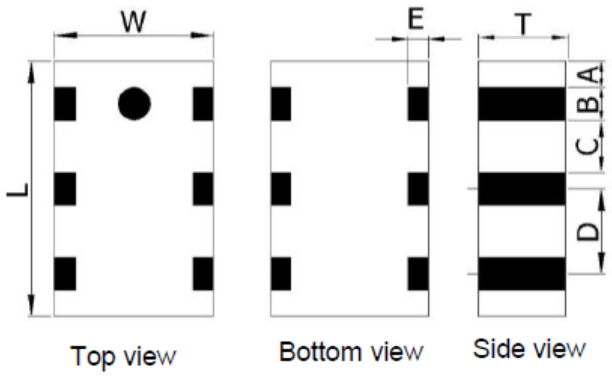




MECHANICAL SPECIFICATION

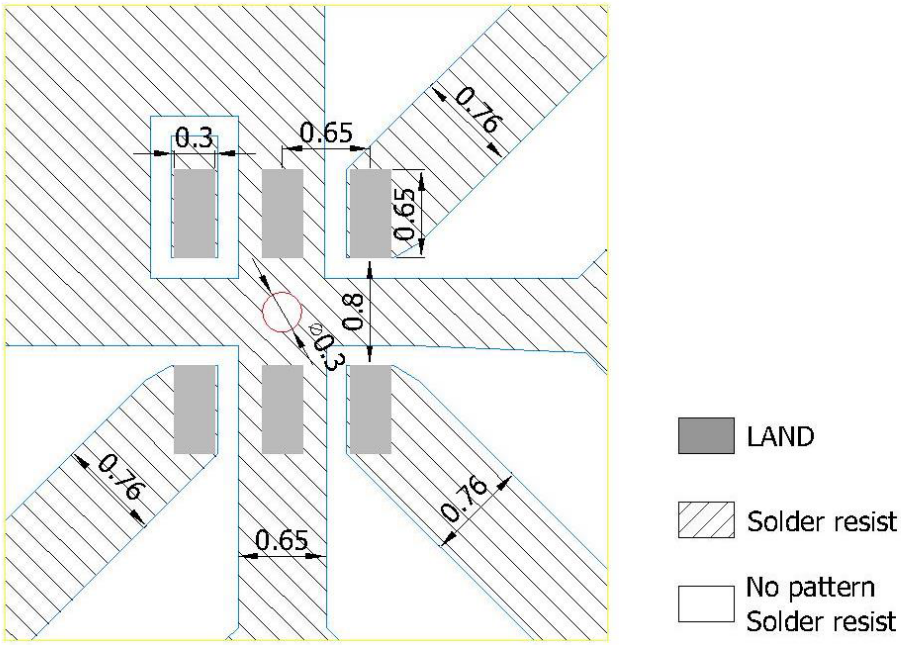


PIN	Connection	PIN	Connection
P1	Unbalance Port	P4	Balance Port
P2	GND or DC Feed	P5	GND
P3	Balance Port	P6	NC

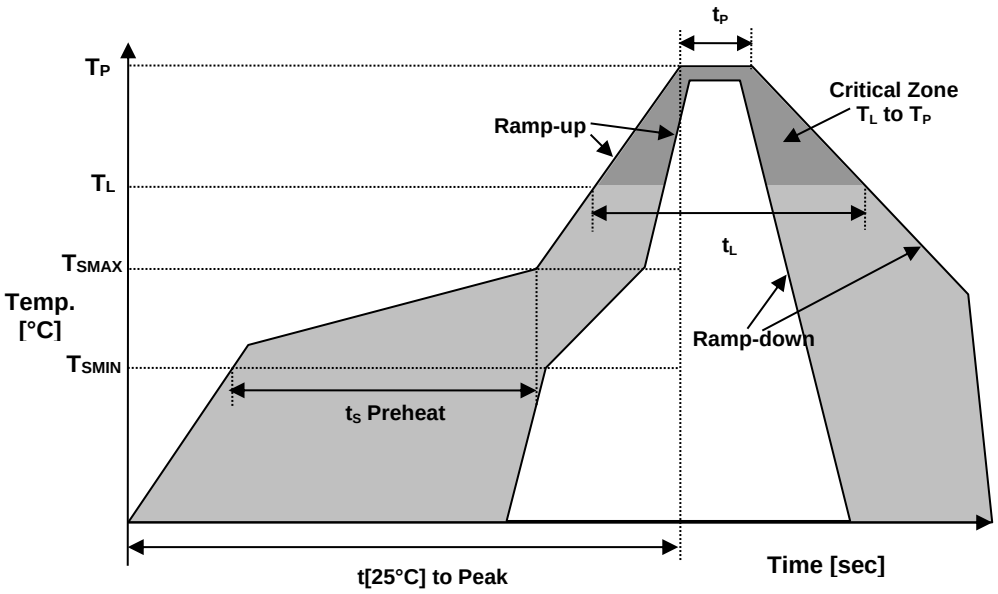


Symbol	Dimension (mm)
L	2.00 ± 0.15
W	1.25 ±0.15
T	0.90 ±0.15
A	0.20 ±0.15
B	0.30 ±0.15
C	0.35 ±0.15
D	0.65 ±0.15
E	0.20 ±0.15

SOLDER PATTERN



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	260°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

March, 2017