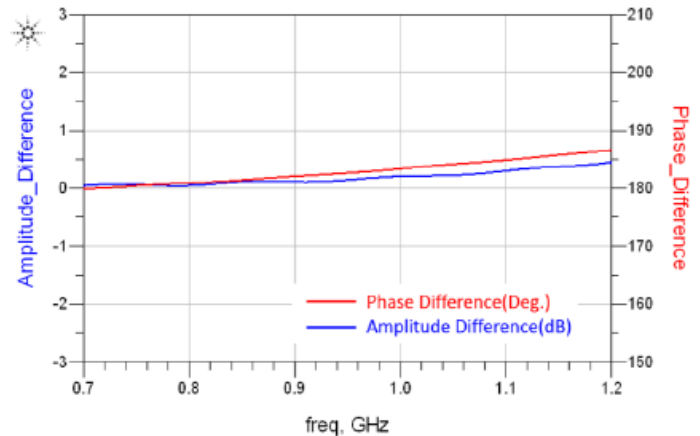
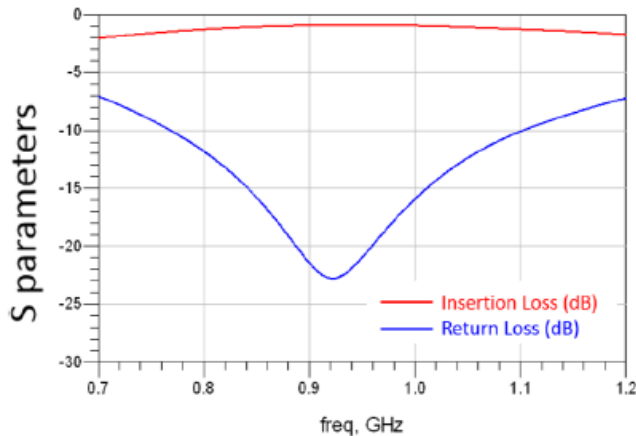


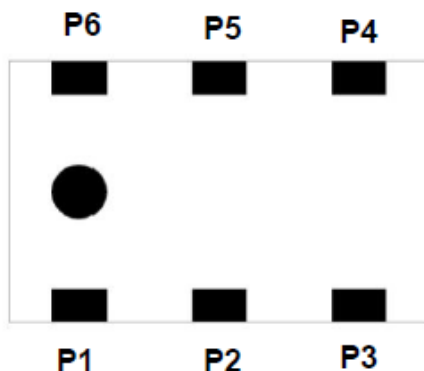
ELECTRICAL SPECIFICATION

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	$180^\circ \pm 10^\circ$	
VSWR, max	2.0	
Amplitude Difference, max	1.0	dB
Operating Temperature Range	-40 ~ +85	$^\circ\text{C}$

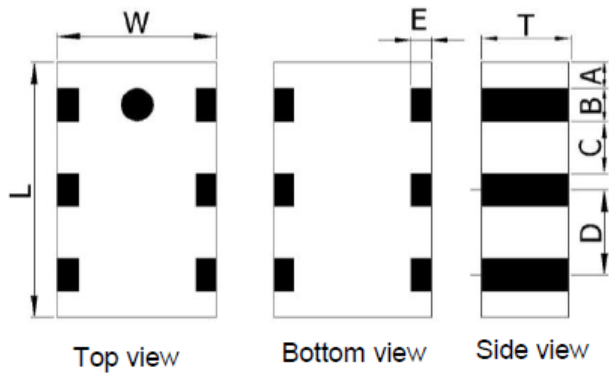
TYPICAL ELECTRIC CHART



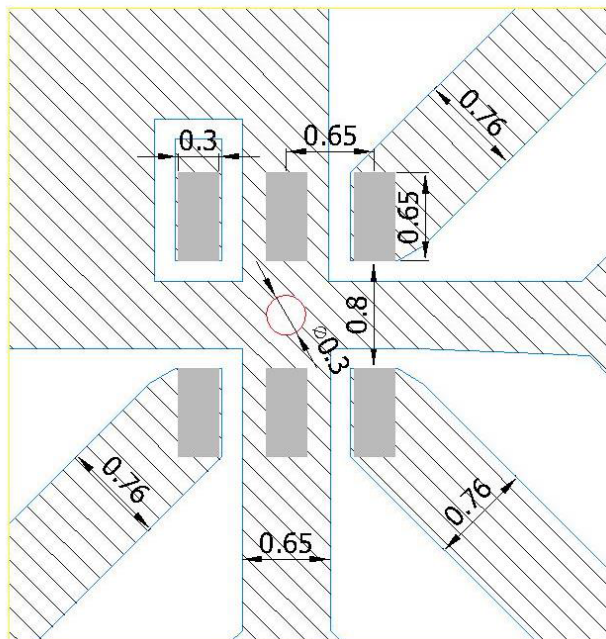
MECHANICAL SPECIFICATION






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

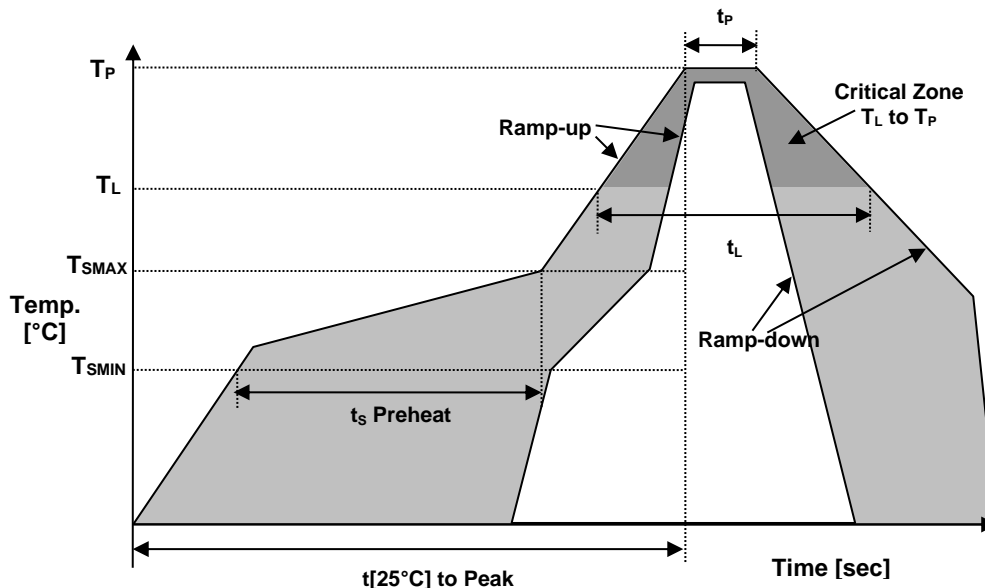
	Symbol	Dimension (mm)
 <p>Top view Bottom view Side view</p>	L	2.00 ± 0.15
	W	1.25 ± 0.15
	T	0.90 ± 0.15
	A	0.20 ± 0.15
	B	0.30 ± 0.15
	C	0.35 ± 0.15
	D	0.65 ± 0.15
	E	0.20 ± 0.15

SOLDER PATTERN



-  LAND
-  Solder resist
-  No pattern
Solder resist

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



APPROVAL

RALTRON	
DRAWN BY:	CP, November 10, 2015
APPROVED BY:	CP, November 10, 2015
REVISION:	A, Initial Release

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