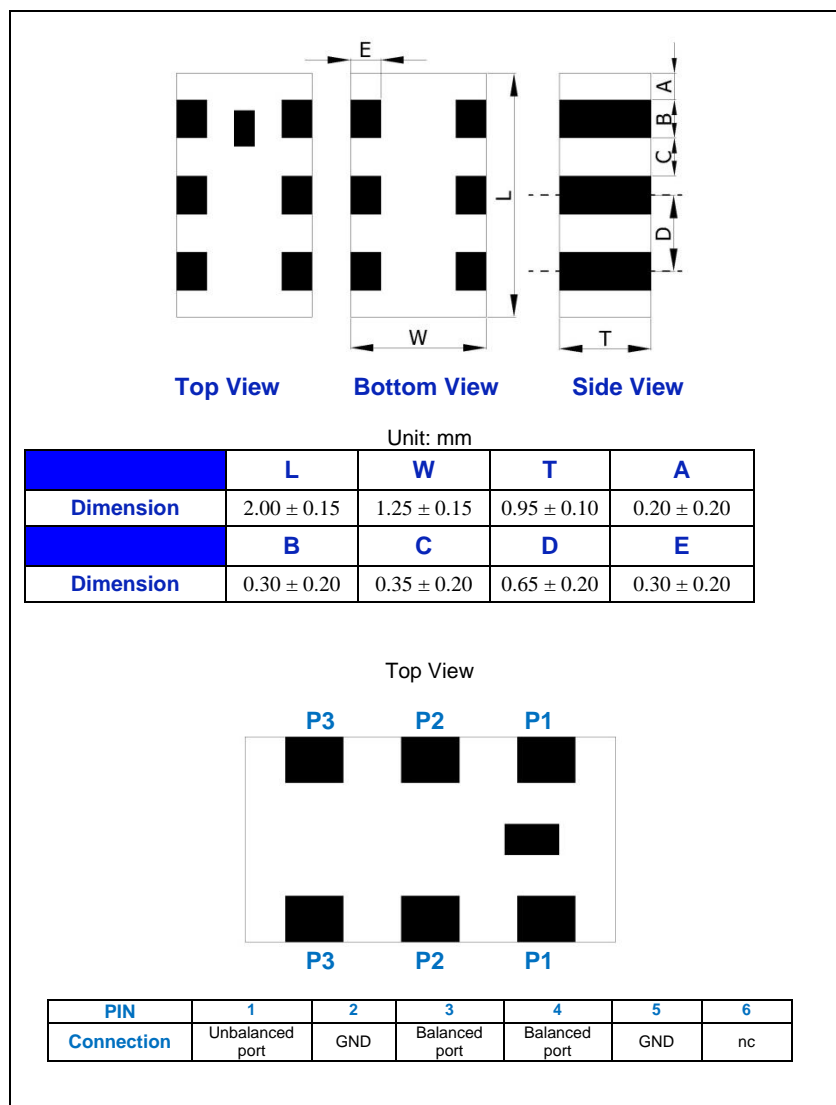


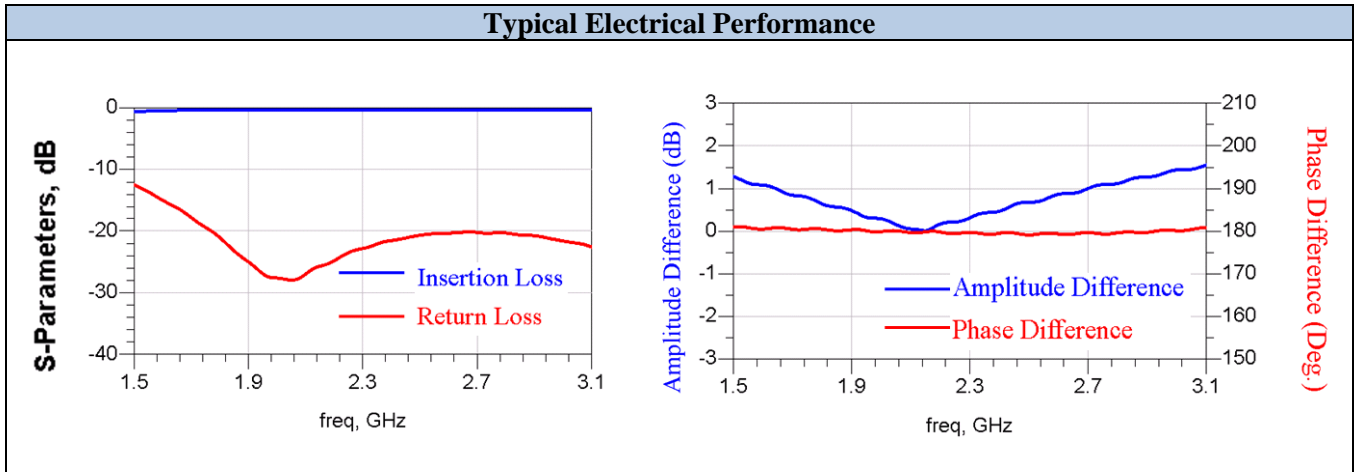
#### ELECTRICAL SPECIFICATION

SPECIFICATIONS	SPECIFICATIONS	UNIT
Frequency Range	1500 ~ 3100	MHz
Insertion Loss, Max	1.0	dB
VSWR (max)	2.0	--
Unbalance Impedance	50	$\Omega$
Balance Impedance	100	$\Omega$
Phase Difference	$180^\circ \pm 10^\circ$	
Amplitude Difference, Max	2.0	dB
Impedance	50	$\Omega$

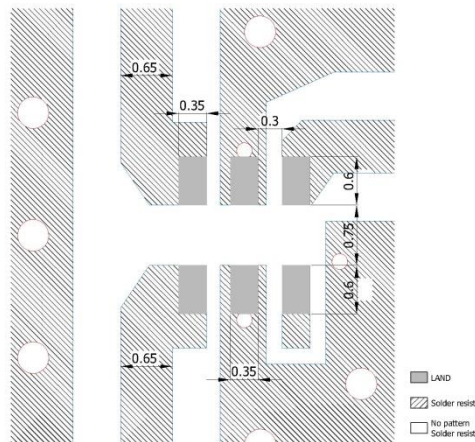
#### MECHANICAL SPECIFICATION



#### Typical Electrical Performance



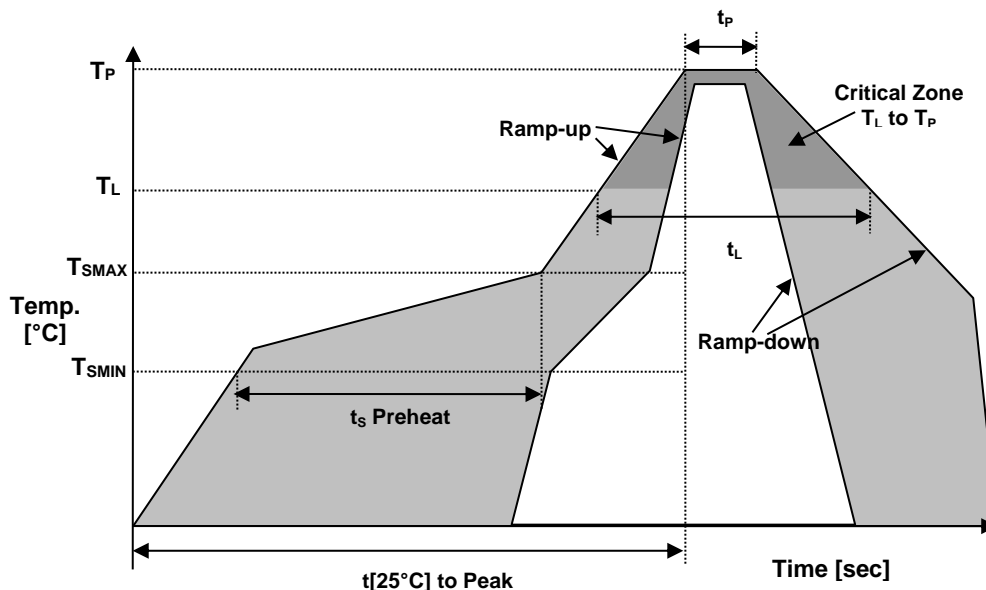
#### Solder Land Pattern



Unit : mm

Line width to be designed to match 50  $\Omega$  characteristic impedance, depending on PCB material and thickness.

## 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 $t_{[25^\circ\text{C}]}$ to Peak Temperature	$t_{[25^\circ\text{C}]}$ 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



March, 2017