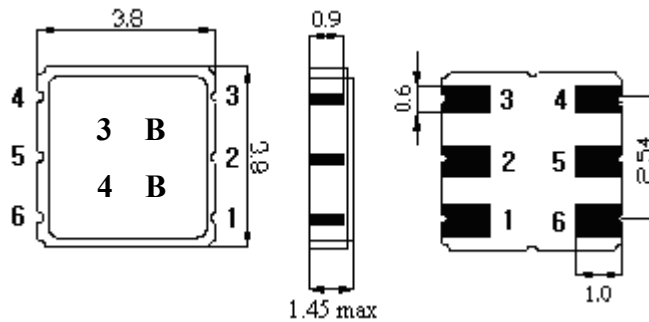


**■ Electrical Specifications**

Item	Unit	Condition	Min	Typ	Max
Center Frequency	MHz	Fc	319.0		
Pass Band Width	MHz	318~321 MHz	-	3.0	-
Insertion Loss	dB	Pass Band	-	1.7	2.5
Pass Band Ripple	dB	Pass Band	-	0.7	1.5
VSWR	-	Pass Band	-	1.4	2.0
Stop Band Rejection (Absolute Attenuation)	dB	Fc-300 ~ Fc-45 MHz	40	45	-
		Fc+93 ~ 300 MHz	45	50	-
Terminating Impedance	$\Omega$	150			
Operating Temperature	$^{\circ}\text{C}$	-30 ~ +70			
Storage Temperature	$^{\circ}\text{C}$	-40 ~ +85			
Maximum DC Voltage	V	5			
Maximum Input Power	dBm	10			

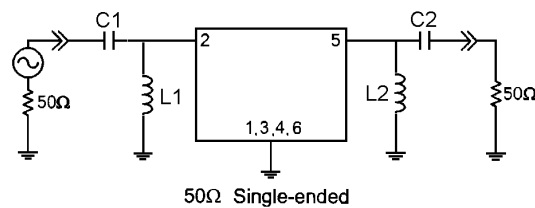
■ **Package Dimension (unit : mm)**



- 3** : **FREQ. RANGE CODE (300MHz~399MHz)**
- B** : **MODEL CODE (CT319AC3)**
- 4** : **DATE CODE (YEAR)**  
Ex) 2010 =>0, 2011=>1.....2019=>9
- B** : **DATE CODE (MONTH)**

JAN	FEB	MAR	APR	MAY	JUN
A	B	C	D	E	F
JUL	AUG	SEP	OCT	NOV	DEC
G	H	J	K	L	M

■ **Matching Configuration**



$L1 = L2 = 47\text{nH}, \quad C1 = C2 = 8\text{pF}$

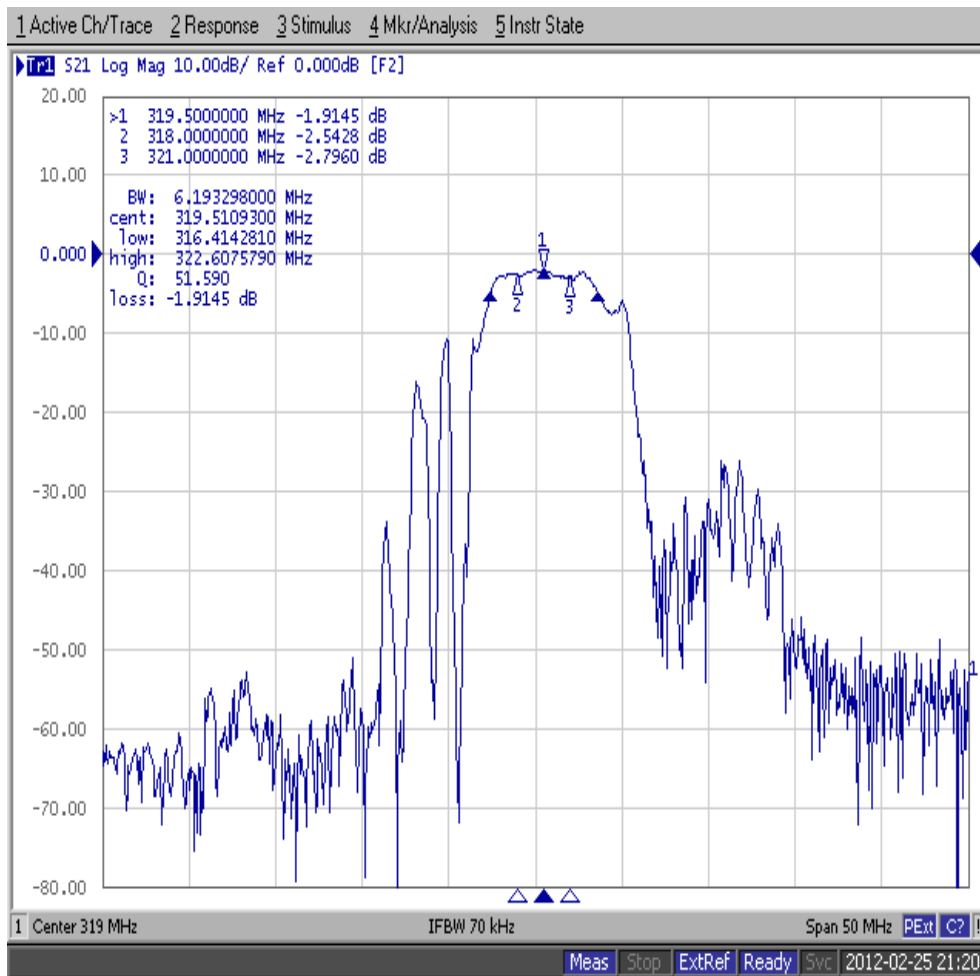
**Actual Matching Values may vary due to PCB and Parasitics**


**Source / Load Impedance = 50Ω**

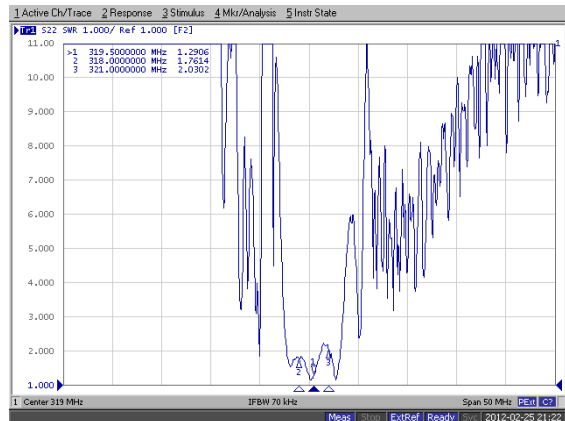
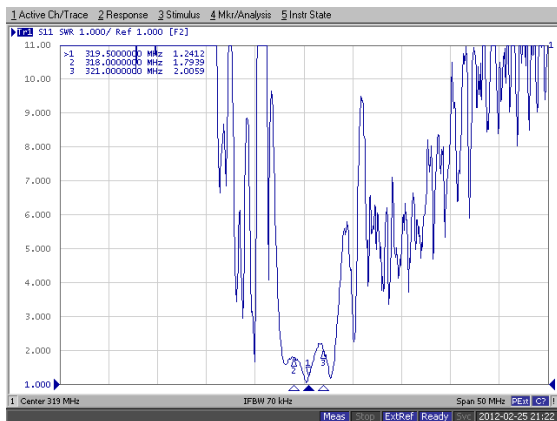
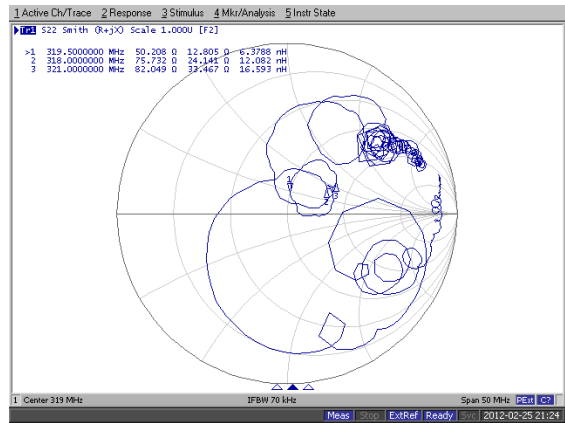
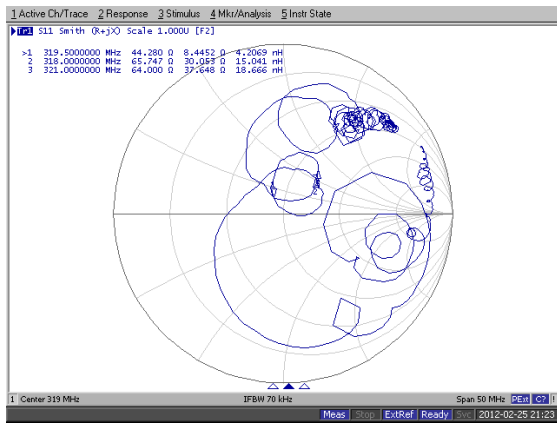
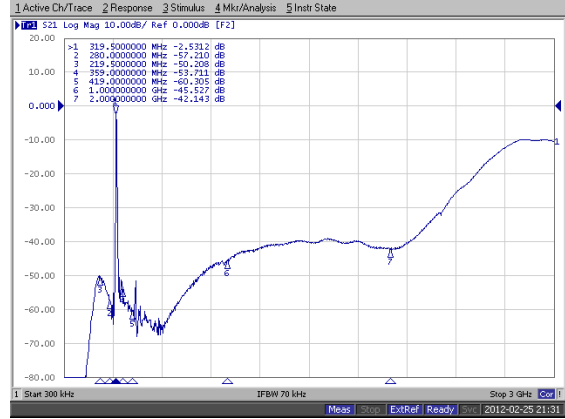
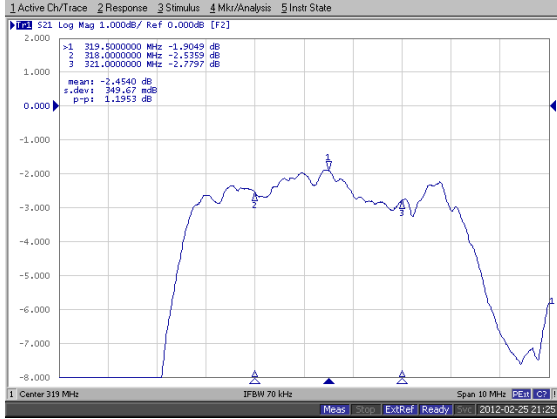
**Ambient Temperature = 25°C**


	#C-203, Bundang Technopark, 145 Yatap-dong, Bundabg_gu, Seongnam, Gyeonggi- 463-070, Korea TEL : 82-31-703-2086, FAX : 821-31-703-2124	Part No.	CT319AC3	
		Rev. Date	2014-02-03	
		Rev.	R1	2/4

■ **Frequency Characteristics**



	#C-203, Bundang Technopark, 145 Yatap-dong, Bundabg_gu, Seongnam, Gyeonggi- 463-070, Korea TEL : 82-31-703-2086, FAX : 821-31-703-2124	Part No.	CT319AC3	
		Rev. Date	2014-02-03	
		Rev.	R1	3/4



	<p>#C-203, Bundang Technopark, 145 Yatap-dong, Bundabg gu, Seongnam, Gyeonggi-463-070, Korea TEL : 82-31-703-2086, FAX : 821-31-703-2124</p>	Part No.	CT319AC3	
		Rev. Date	2014-02-03	
		Rev.	R1	4/4