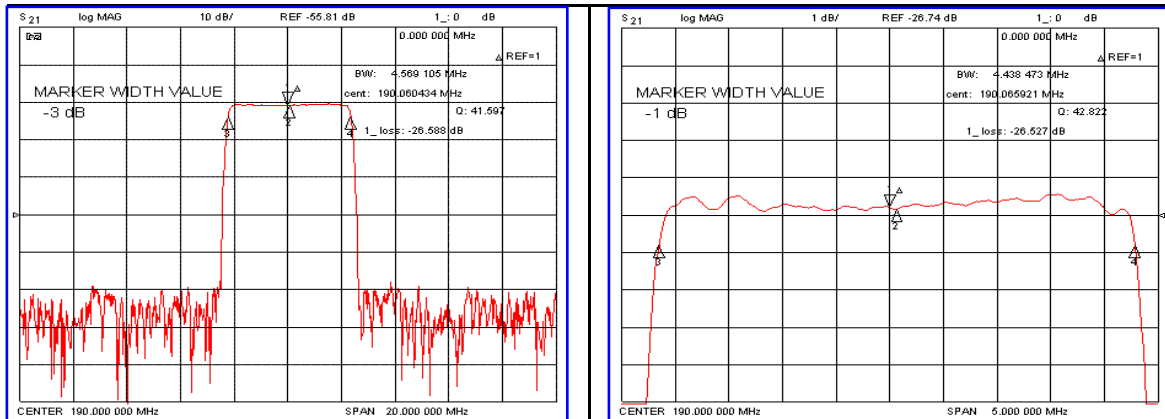


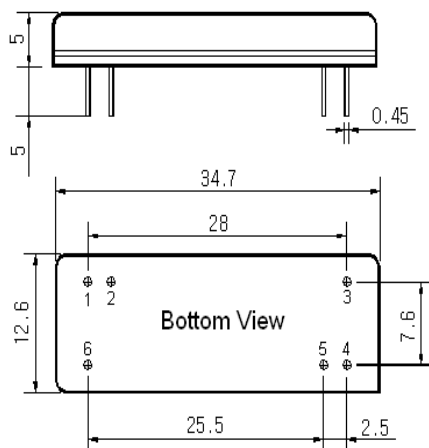
### Typical Performance



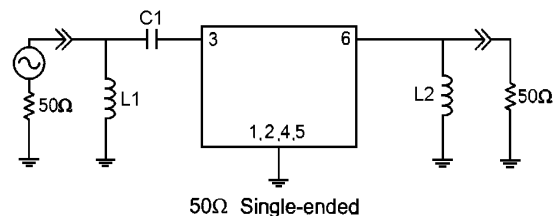
### Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency (Fc)	MHz	189.92	190.00	190.08
Insertion Loss	dB	-	26.80	29.00
1dB Bandwidth	MHz	-	4.43	-
3dB Bandwidth	MHz	4.50	4.56	-
40dB Bandwidth	MHz	-	5.07	5.13
50dB Bandwidth	MHz	-	5.18	5.40
Passband Ripple ( $\Delta f_o \pm 2.2$ MHz)	dB	-	1.20	2.00
Group Delay Variation ( $\Delta f_o \pm 2.2$ MHz)	nsec	-	180	300
Absolute Delay	$\mu$ sec	-	3.71	-
Ultimate Attenuation	dB	45	48	-
Substrate Material	-	Quartz		

### Package Dimension

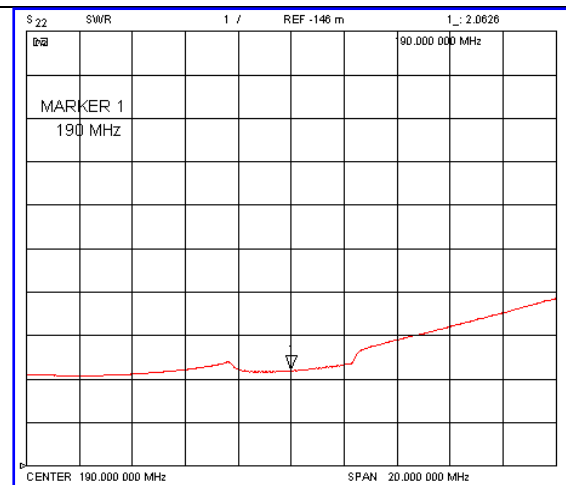
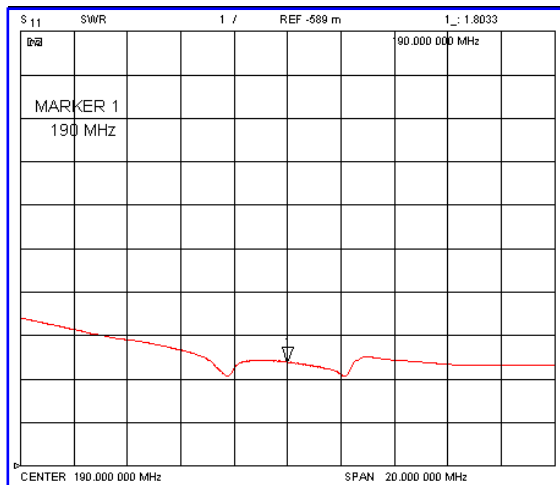
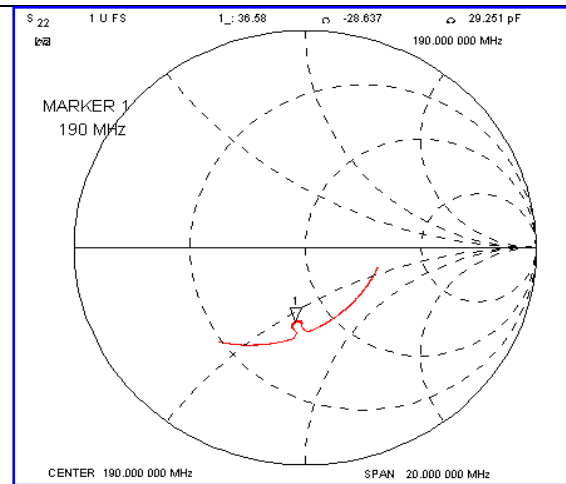
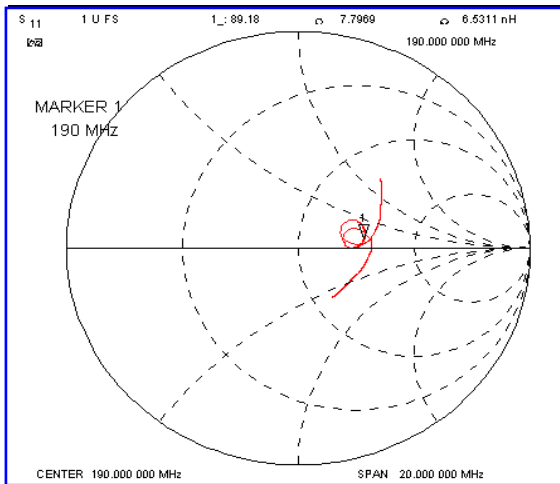
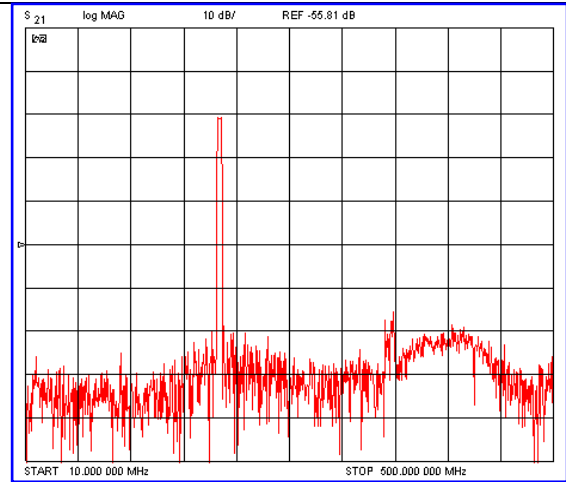
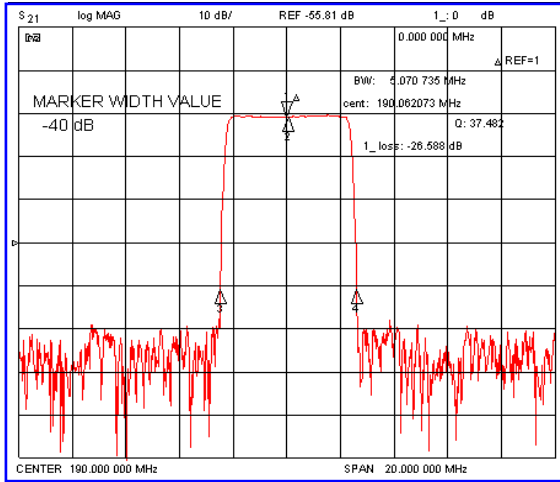


### Matching Configuration



L1=18nH, L2=15nH, C1=180pF  
 Source / Load Impedance = 50 $\Omega$   
 Ambient Temperature = 25 $^{\circ}$ C

11/06/2006



검사방법 :  $F_0 \pm 50\text{KHz}$  , 1dB Band : 4.4MHz MIN 으로 검사하여 리플기준정립  
 40dB Band : 현 대역폭 기준으로 결정

[www.ctech.co.kr](http://www.ctech.co.kr)

**C-TECH CO., LTD.**

TEL : 82-31-703-2086

FAX : 82-31-703-2124