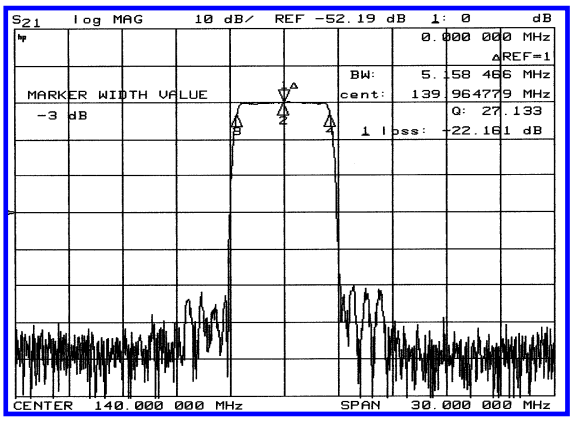
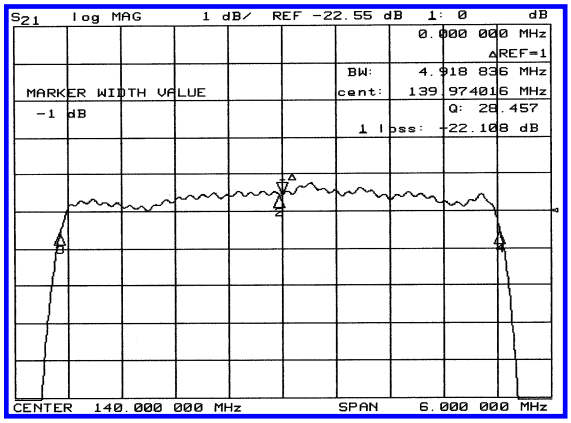
C·TECH

140.0 MHz Bandpass Filter
5.0 MHz Bandwidth

312962

Typical Performance

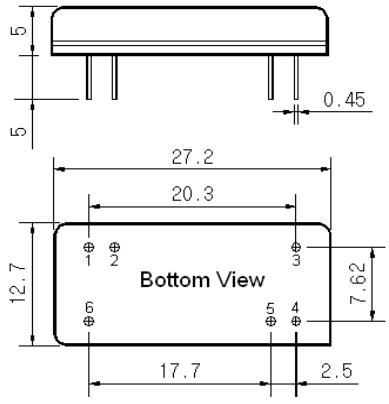




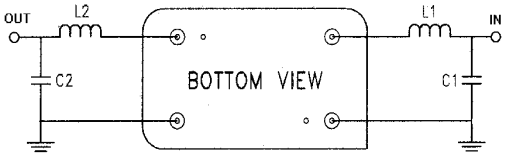
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	139.85	140.00	140.15
Insertion Loss	dB	-	22.00	23.50
1dB Bandwidth	Mhz	4.80	4.92	-
3dB Bandwidth	Mhz	5.00	5.15	-
50dB Bandwidth	Mhz	-	6.20	6.30
Passband Ripple	dB	-	0.65	1.00
Group Delay Variation	nsec	-	100	200
Absolute Delay	μsec	-	3.7	-
Ultimate Attenuation	dB	50	60	-
Substrate Material	-	$LiTaO_3$		
Temperature Coefficient	ppm/°C	-20		

Package Dimension



Matching Configuration



L1=27nH, L2=33nH, C1=36pF, C2=30pF
Source / Load Impedance = 50Ω
Ambient Temperature = 25°C

02/13/2004

C-TECH CO., LTD. TEL : **82-31-703-2086** FAX : **82-31-703-2124**