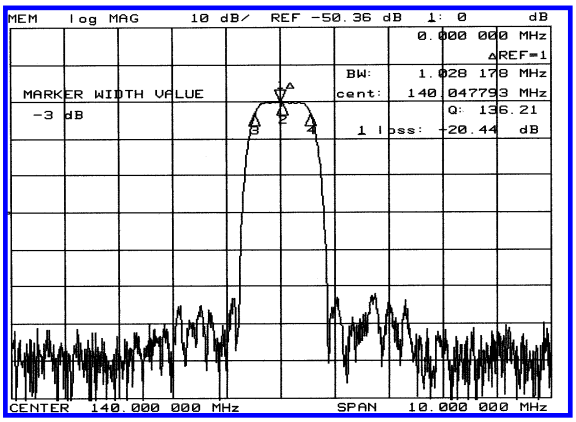
C · Tech

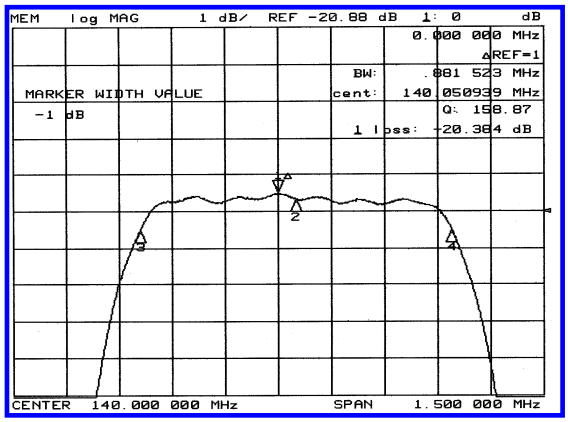
140 MHz Bandpass Filter
1.0 MHz Bandwidth

RoHS Compliant

312713

Typical Performance

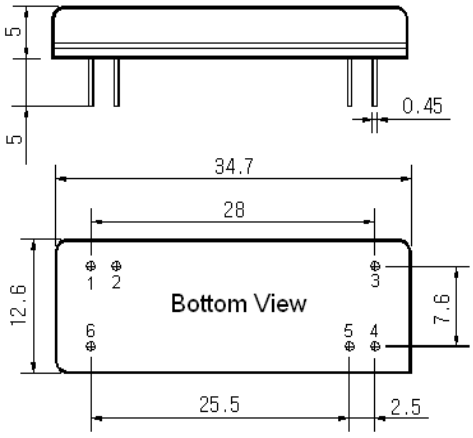




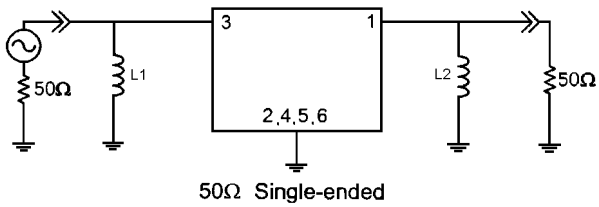
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	139.85	140.00	140.15
Insertion Loss	dB	-	20.50	22.00
1dB Bandwidth	Mhz	0.80	0.88	
3dB Bandwidth	Mhz	0.95	1.02	-
50dB Bandwidth	Mhz	-	1.62	1.80
Passband Ripple	dB	-	0.45	0.80
Group Delay Variation	nsec	-	150	200
Absolute Delay	μsec	-	4.27	-
Ultimate Attenuation	dB	50	55	-
Substrate Material	-		Quartz	

Package Dimension



Matching Configuration



50Ω Single-ended

L1 = 33nH , L2 = 47nH
Source / Load Impedance = 50Ω
Ambient Temperature = 25°C

Rev0. 080103

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