

1. Features

- Typical 1dB bandwidth of 21.4 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

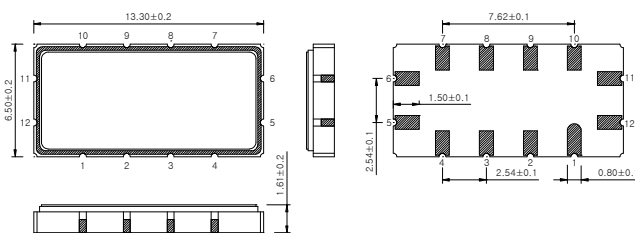
2. Electrical Specifications

Source and Load Impedance = 50Ω

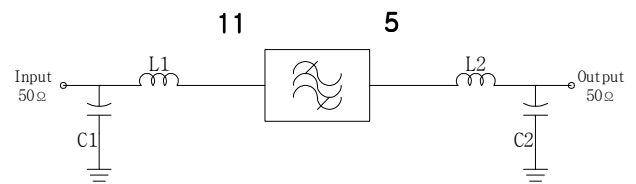
Room Temperature : +25°C

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	144.0	-
Insertion Loss	dB	-	23.5	25.0
1dB Bandwidth	MHz	21.2	21.4	-
3dB Bandwidth	MHz	-	21.9	-
40dB Bandwidth	MHz	-	23.8	24.0
Amplitude Ripple (fo ± 10.6 MHz)	dB	-	0.5	1.0
Group Delay Variation (fo ± 10.6 MHz)	nsec	-	30	80
Absolute Delay	usec	-	1.53	-
Ultimate Rejection	dB	50	52	-
Temperature Coefficient of Frequency	ppm/°C	-72		

S1365 Package Dimension



Matching Network Configuration



L1 = 27nH, L2 = 33nH, C1 = 18pF, C2 = 16pF

Pin Configuration

	11	Ground	6, 12
Input	11	Ground	6, 12
Output	5	Others	Ground

Dimensions shown are nominal in millimeters

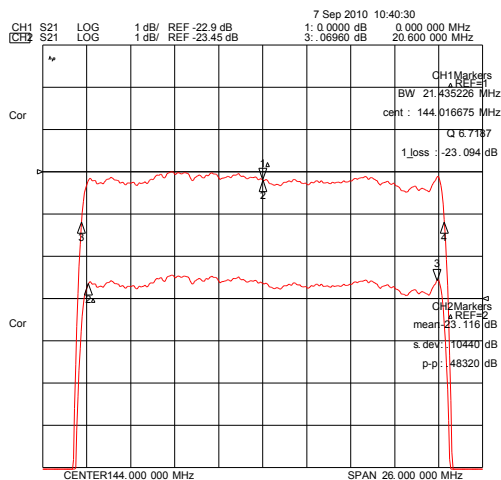
Body : Al₂O₃

Lid : Kovar, Ni Plated

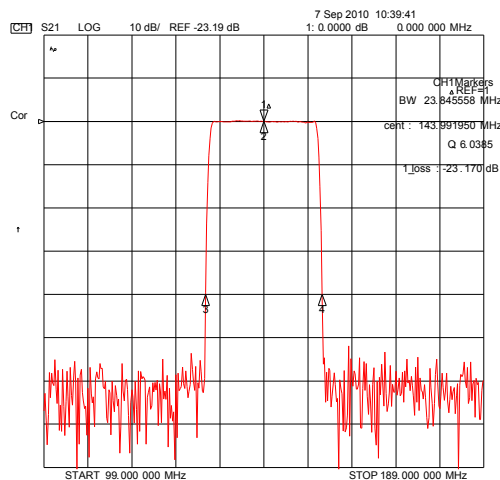
Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

3. Typical Performance (at +25°C)

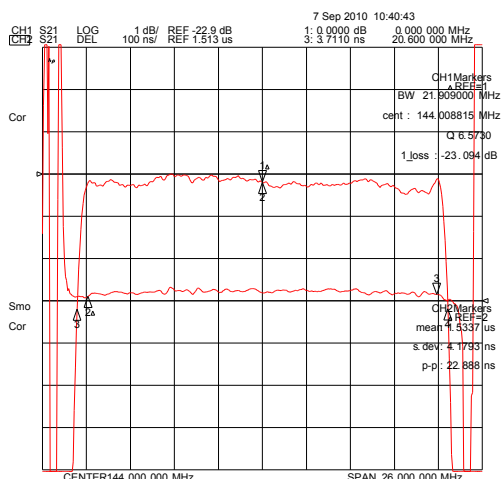
1dB Bandwidth & Ripple



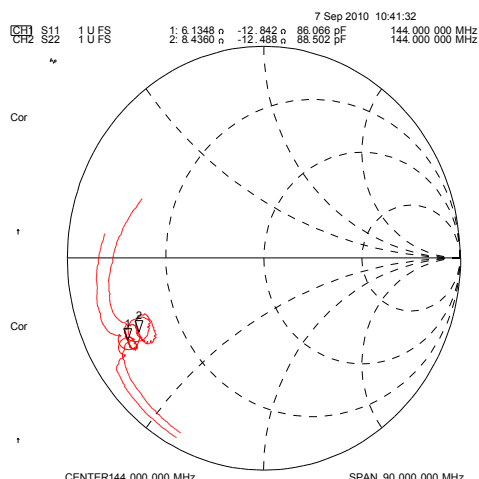
40dB Bandwidth



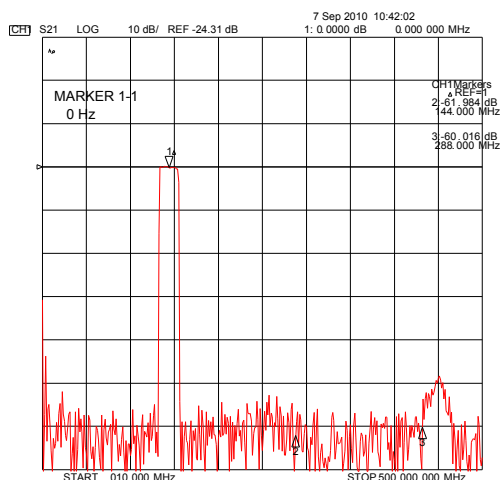
3dB Bandwidth & Group Delay



Smith Chart(S11 & S22)



Wideband Properties



SWR(S11 & S22)

