

1. Features

- Typical 1dB bandwidth of 9.3 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

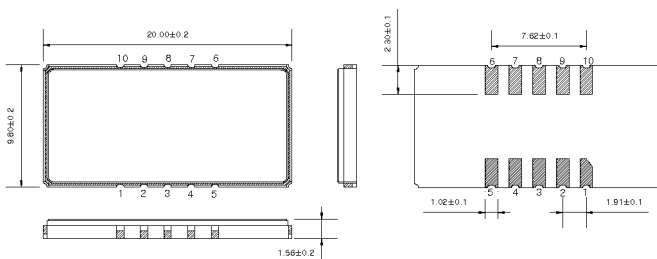
2. Electrical Specifications

Source and Load Impedance = 50Ω

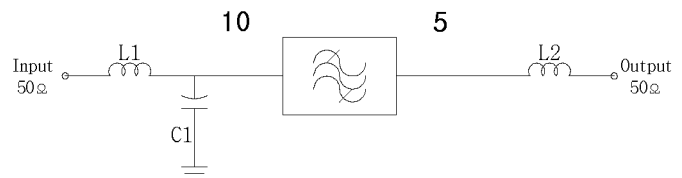
Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	45.0	-
Insertion Loss	dB	-	24.5	26.0
1dB Bandwidth	MHz	9.15	9.31	-
3dB Bandwidth	MHz	-	9.61	-
45dB Bandwidth	MHz	-	10.88	11.00
Amplitude Ripple (Fo±4.50MHz)	dB	-	0.55	1.2
Group Delay Variation (Fo±4.50MHz)	nsec	-	50	100
Absolute Delay	usec	-	2.37	-
Ultimate Rejection	dB	45	48	-
Temperature Coefficient of Frequency	ppm/℃	-	-72	-
Substrate Material	-		128-LN	

* Input POWER : 10dBm

S2098 Package Dimension



Matching Schematic



L1 = L2 = 220nH, C1 = 36pF

Dimensions shown are nominal in millimeters

Body : Al₂O₃

Lid : Kovar, Ni Plated

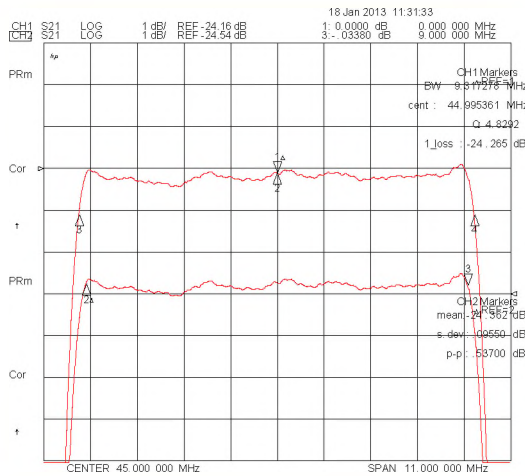
Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

Pin Configuration

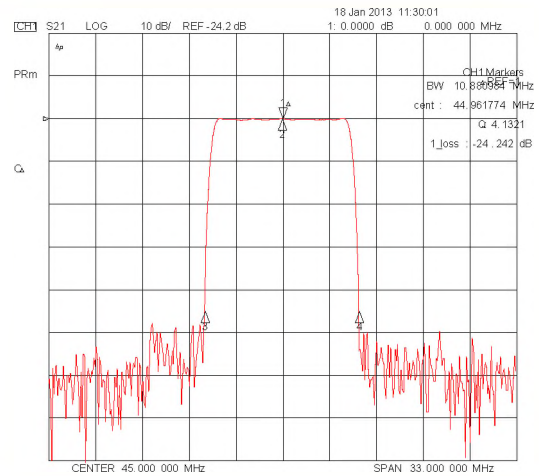
	10	Ground	1,6
Input	10	Ground	1,6
Output	5	Others	Ground

3. Typical Performance (at +25°C)

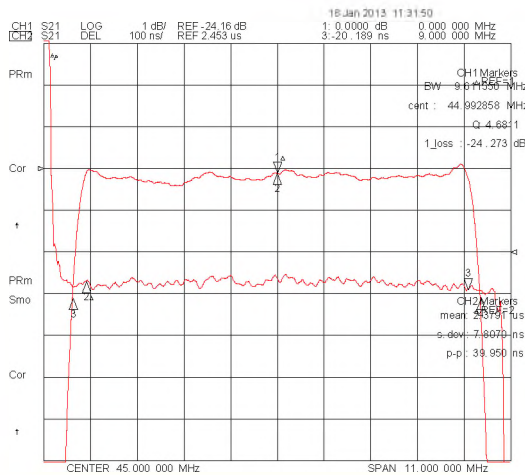
1dB Bandwidth & Ripple



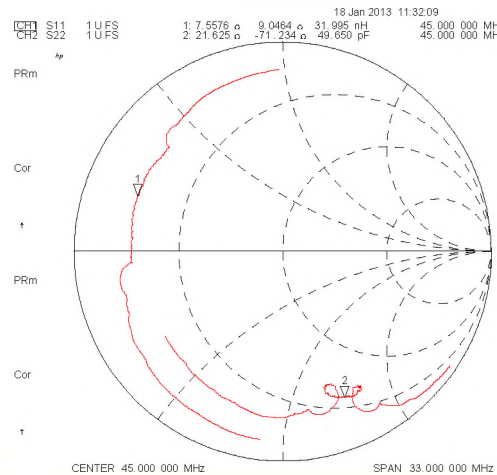
45dB Bandwidth



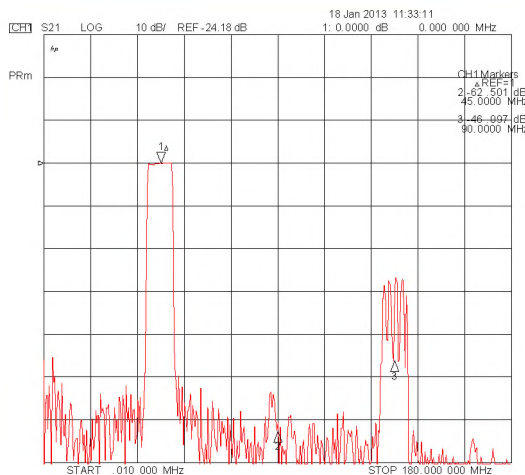
3dB Bandwidth & Group Delay



Smith Chart(S11 & S22)



Wideband Properties



SWR(S11 & S22)

