

1. Features

- Typical 1dB bandwidth of 29.5 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

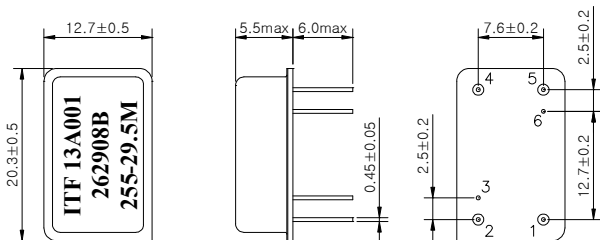
Operating Temperature : -10°C ~ +60°C

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	255.0	-
Insertion Loss	dB	-	29.5	31.0
1dB Bandwidth	MHz	29.40	29.53	-
3dB Bandwidth	MHz	-	29.85	-
40dB Bandwidth	MHz	-	31.25	31.35
Amplitude Ripple (fo ± 14.22 MHz)	dB	-	0.65	1.2
Group Delay Variation (fo ± 14.22 MHz)	nsec	-	35	70
Absolute Delay	usec	-	2.68	-
Ultimate Rejection	dB	50	53	-
Maximum input Power	dBm	-	-	10
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

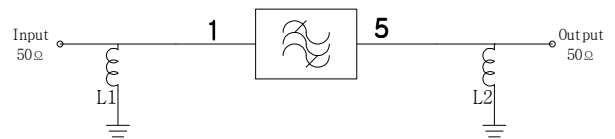
Room Temperature : + 25°C

		Minimum	Typical	Maximum
Insertion Loss	dB	-	29.5	31.0
Amplitude Ripple (fo ± 14.38 MHz)	dB	-	0.65	1.2
Group Delay Variation (fo ± 14.38 MHz)	nsec	-	35	70

D2012 Package Dimension



Matching Schematic



L1 = L2 = 12nH

Dimensions shown are nominal in millimeters

Base : Fe(SPCC), Au plating over Ni plated
 Cap : Cu & Cr Alloy, Ni Plated
 Termination : Kovar, Au Plated

Pin Configuration

	1	Ground	2,4
Input	1	Ground	2,4
Output	5	Others	Ground

3. Typical Performance (at +25°C)

