

## 1. Features

- Typical 1dB bandwidth of 29.58 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)
- RoHS/RoHS2 (2015/863/EU) Compliant

**RoHS Compliant**

Tested by SGS Testing Korea

## 2. Electrical Specifications

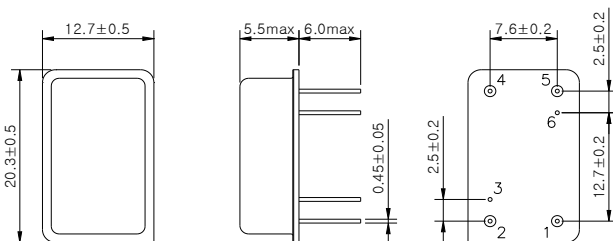
Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	280.0	-
Insertion Loss	dB	-	29.0	31.0
1dB Bandwidth	MHz	29.4	29.58	-
3dB Bandwidth	MHz	-	29.99	-
40dB Bandwidth	MHz	-	31.81	32.0
Amplitude Ripple (fo ± 14.45 MHz)	dB	-	0.55	1.2
Group Delay Variation (fo ± 14.45 MHz)	nsec	-	30	60
Absolute Delay	usec	-	2.3	-
Ultimate Rejection	dB	45	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

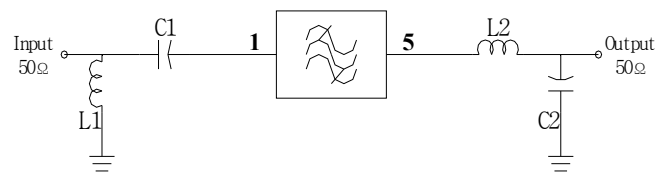
\* Input POWER : +10dBm

Due to variances in a PCB layout and parasitics, actual matching values may have to be changed accordingly.

### D2012 Package Dimension



### Matching Schematic



L1 = 10nH, C1 = 68pF, L2 = 15nH, C2 = 27pF

### Pin Configuration

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

Dimensions shown are nominal in millimeters

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

### 3. Typical Performance ( at +25°C )

