



Features


- ◇ For IF SAW filter
- ◇ High attenuation
- ◇ Single-ended operation
- ◇ Dual In-line Package
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

Parameter	Unit	Minimum	Typical	Maximum
<i>Center Frequency</i>	MHz	39.8	40	40.2
<i>Insertion Loss</i>	dB	-	20.1	24
<i>1.0 dB Bandwidth</i>	MHz	3	3.44	-
<i>3dB Bandwidth</i>	MHz	3.5	3.72	-
<i>40 dB Bandwidth</i>	MHz	-	4.79	5
<i>Passband Variation (f0±1.6MHz)</i>	dB	-	0.4	0.6
<i>Phase Linearity (f0±1.6MHz)</i>	Nsec	-	5	8
<i>Absolute Delay</i>	usec	-	2.65	-
<i>Ultimate Rejection</i>	dB	45	48	-
<i>Material Temperature coefficient</i>	KHz/°C	-3.76		
<i>Substrate Material</i>	-	YZ-LN		
<i>Ambient Temperature</i>	°C	25		
<i>Operating Temperature Range</i>	°C	-25	-	+85
<i>DC Voltage</i>	V	0		
<i>Input Power</i>	dBm	-	-	10
<i>ESD Class</i>	-	1A		
<i>Package Size</i>	DIP2712 (27.0x12.8x4.7)			

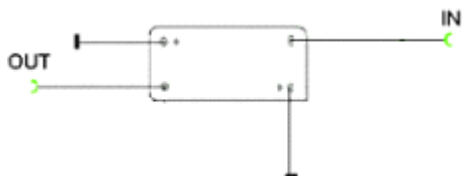
Notes:

1. All specifications are based on the test circuit shown;
2. In production, all specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature;
3. Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances;
4. This is the optimum impedance in order to achieve the performance show.

	SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBN04002	
		Rev. Date	2013-09-27	
		Ver.	1.0	Page

Matching Configuration

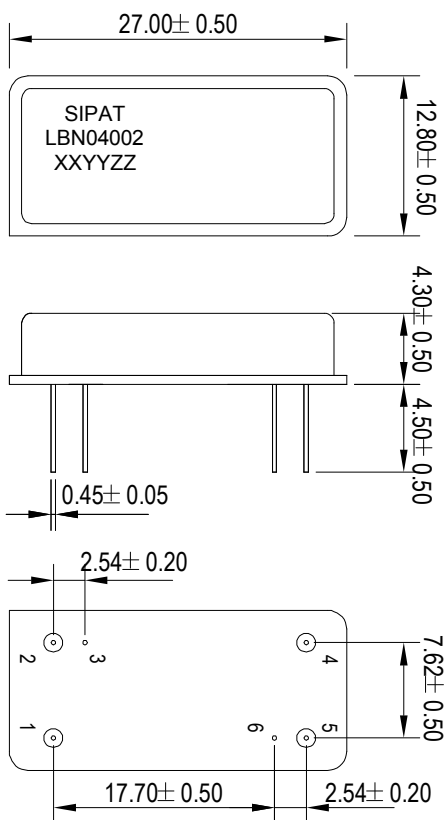
手动测试座



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

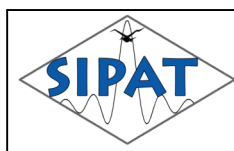
Input 1
Output 4
Ground 2,3,5,6

Marking Configuration:

- 1) SIPAT: Manufacturer Name
- 2) LBN04002: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP2712

Unit: mm



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Chongqing, China, 400060

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Typical Performance

