



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	259.8	260	260.2
<i>Insertion Loss</i>	dB	-	18.4	20
<i>3dB Bandwidth</i>	MHz	9.3	9.36	-
<i>10dB Bandwidth</i>	MHz	-	10.11	10.9
<i>25dB Bandwidth</i>	MHz	-	10.80	12
<i>35dB Bandwidth</i>	MHz	-	11.06	15
<i>40dB Bandwidth</i>	MHz	-	11.16	17
<i>Passband Variation</i>	dB	-	0.7	1.5
<i>Absolute Delay</i>	usec	-	1.5	4.0
<i>Ultimate Rejection(f0±6MHz)</i>	dB	50	55	
<i>Material Temperature coefficient</i>	KHz/°C		-4.68	
<i>Substrate Material</i>	-		112LT	
<i>Ambient Temperature</i>	°C		25	
<i>Operating Temperature Range</i>	°C	-25	-	+85
<i>Storage Temperature Range</i>	°C	-45	-	+105
<i>Input Power</i>	dBm	-	-	10
<i>ESD Class</i>	-		1A	
<i>Package Size</i>		DIP2212 (22.2*12.8*4.72mm3)		

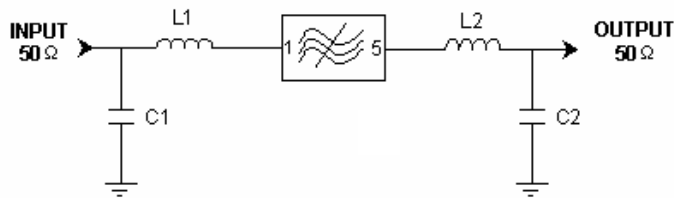
Notes:

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	LBT26003	
		Rev. Date	2012-12-27	
		Ver.	1.0	Page

Matching Configuration

手动测试座



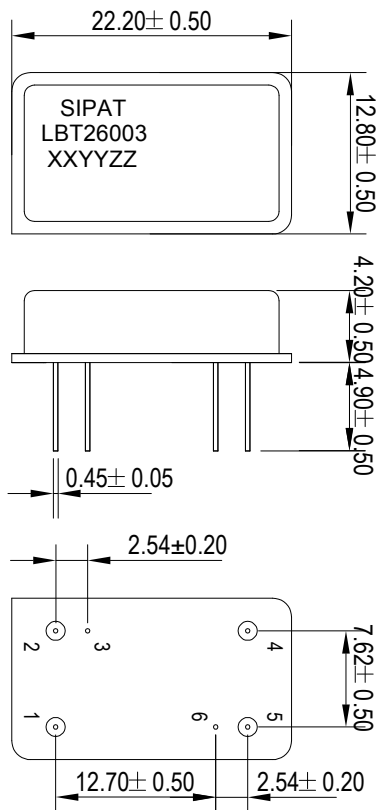
L1=4.7nH L2=10nH

C1=C2=22pf

Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input 1
Output 5
Ground 2、3、4、6


Marking Configuration:

- 1) SIPAT: Manufacturer Name
- 2) LBT26003: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP2212

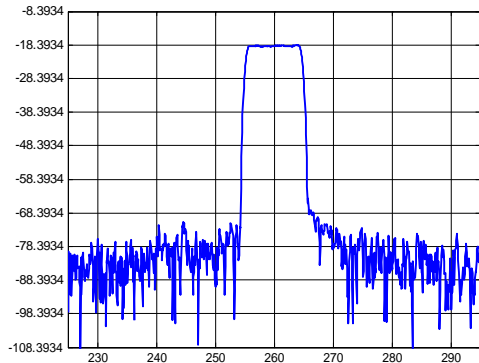
Unit: mm

Typical Performance

	SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBT26003	
		Rev. Date	2012-12-27	
		Ver.	1.0	Page 2/3

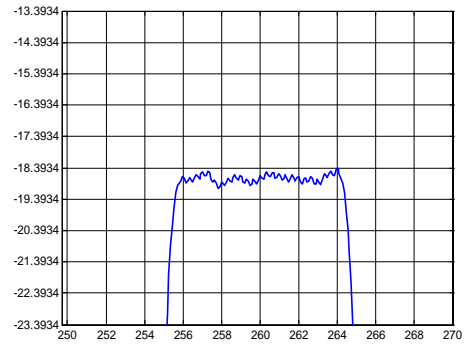


Frequency Response



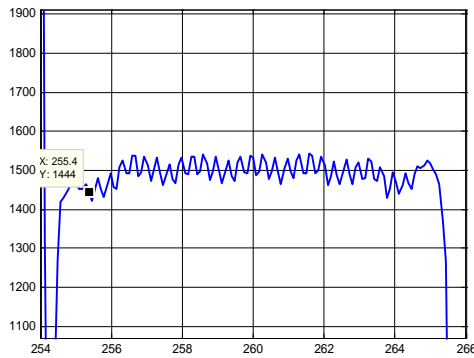
Horizontal: 10MHz/Div Vertical: 10dB/Div

Passband Response



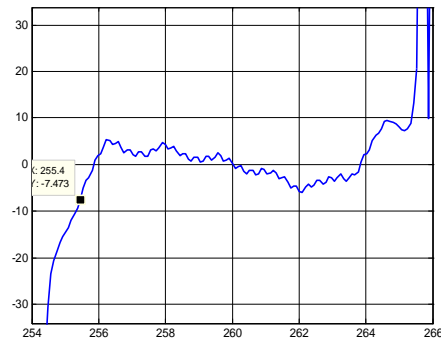
Horizontal: 2MHz/Div Vertical: 0.5dB/Div

Group Delay Variation



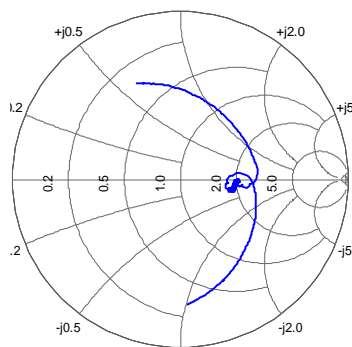
Horizontal: 2MHz/Div Vertical: 100ns/Div

Phase Linearity

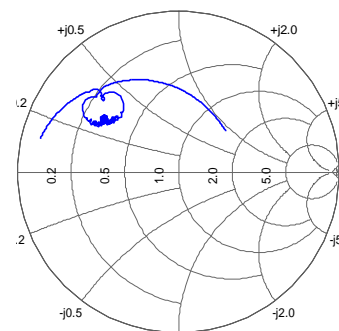


Horizontal: 2MHz/Div Vertical: 10deg/Div

Smith Chart S11



Smith Chart S22



SIPAT Co., Ltd.
(CETC No.26 Research Institute)
#14 Nanping Huayuan Road,
Chongqing, China, 400060

Part Number	LBT26003	
Rev. Date	2012-12-27	
Ver.	1.0	Page 3/3