



Features

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

Specifications

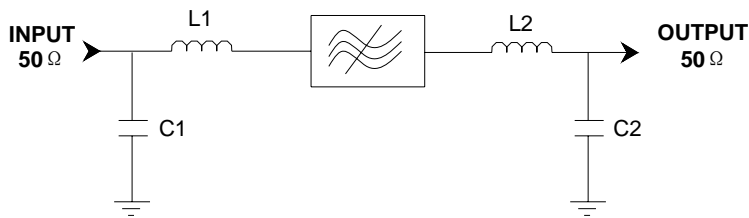
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	66	66.1	66.2
Insertion Loss	dB	-	20.3	24
1 dB Bandwidth	MHz	2	2.03	-
40 dB Bandwidth	MHz	-	3.18	3.4
50 dB Bandwidth	MHz	-	3.28	3.5
Passband Variation	dB	-	0.6	1
Absolute Delay	usec	-	3.33	4
Ultimate Rejection	dB	50	51	-
Material Temperature coefficient	KHz/°C	0.066		
Substrate Material	-	Qz		
Ambient Temperature	°C	25		
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-45	-	+105
DC Voltage	V	0		
Input Power	dBm	-	-	10
ESD Class	-	1A		
Package Size	DIP2712 (27.0x12.8x4.7mm3)			

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	LBS06607	
		Rev. Date	2008-06-30	
		Ver.	1.0	Page 1/3

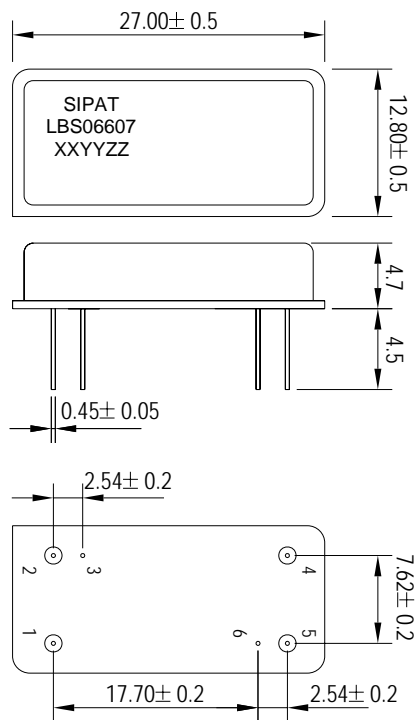
Matching Configuration



$L1 = (470 + 39)nH$ $L2 = (470 + 47)nH$
 $C1 = 91pF$ $C2 = 82pF$
Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input 1
Output 5
Ground All Others

Marking Configuration:

- 1) SIPAT: Manufacturer Name
- 2) LBS06607: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP2712

Unit: mm



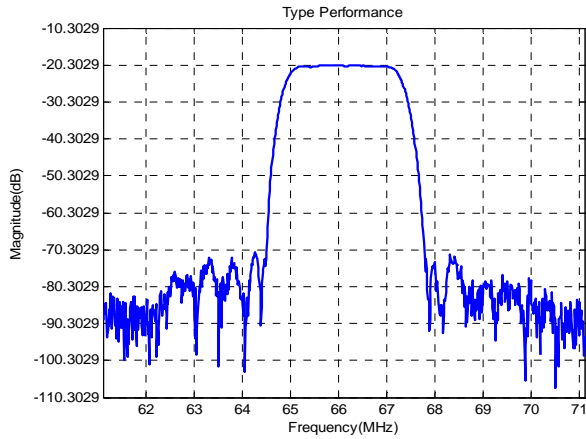
SIPAT Co., Ltd.
(CETC No.26 Research Institute)
#14 Nanping Huayuan Road,
Chongqing, China, 400060

Part Number	LBS06607	
Rev. Date	2008-06-30	
Ver.	1.0	Page 2/3



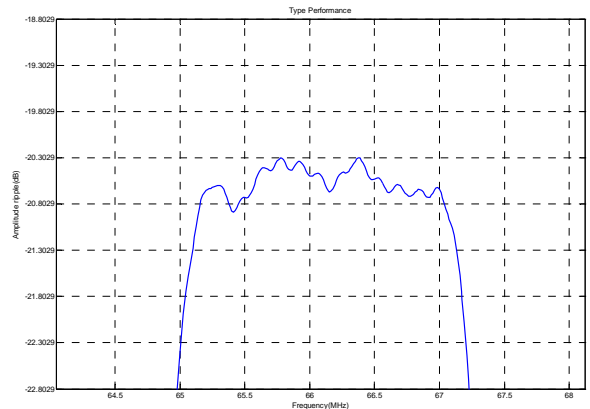
Typical Performance

Frequency Respond



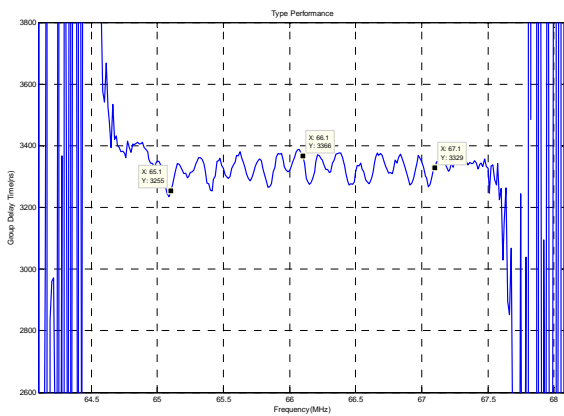
Horizontal: 1MHz/Div Vertical: 10dB/Div

Passband Respond



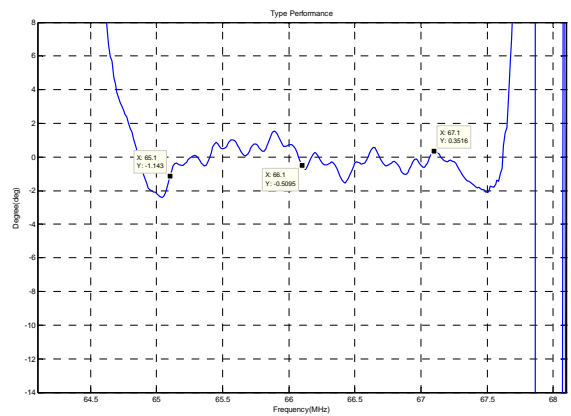
Horizontal: 0.5MHz/Div Vertical: 0.5dB/Div

Group Delay Variation($f_0 \pm 1$ MHz)



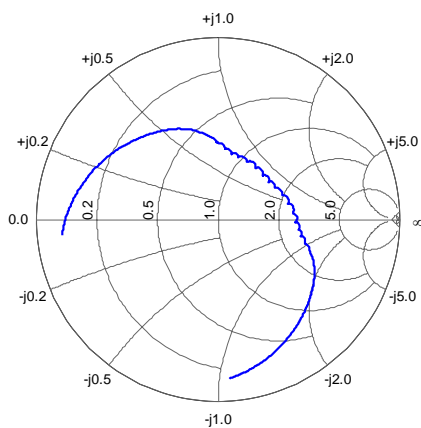
Horizontal: 0.5MHz/Div Vertical: 200ns/Div

Phase Linearity($f_0 \pm 1$ MHz)

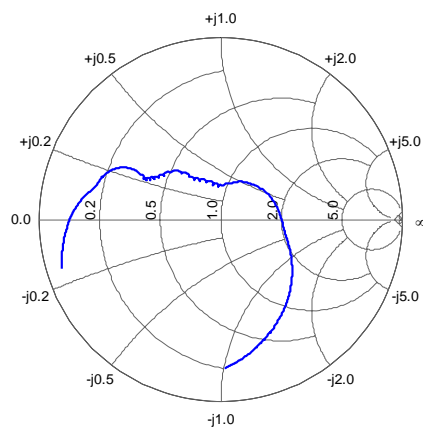


Horizontal: 0.5MHz/Div Vertical: 2deg/Div

Smith Chart S11



Smith Chart S22



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

Part Number	LBS06607	
Rev. Date	2008-06-30	
Ver.	1.0	Page 3/3