

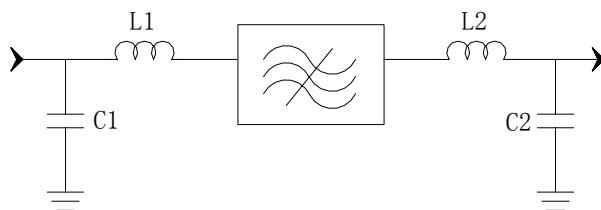
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	123.85	124	124.15
Insertion Loss	dB	-	26.7	28
3 dB Bandwidth	MHz	3.8	4.02	-
40 dB Bandwidth	MHz	-	4.85	5
50 dB Bandwidth	MHz	-	4.92	5.2
Passband Variation	dB	-	0.6	0.9
Absolute Delay	usec	-	3.26	4
Group Delay Variation($f_0 \pm 1.9\text{MHz}$)	nsec	-	80	300
Ultimate Rejection	dB	50	51	-
Material Temperature coefficient	KHz/°C	0.124		
Ambient Temperature	°C	25		
Package Size	DIP2712 (27.0x12.8x4.7mm3)			

Notes:

1. All specifications are based on the test circuit shown
2. In production, devices will be tested at room temperature to a guardbanded specification to ensure electrical compliance over 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

Matching Configuration



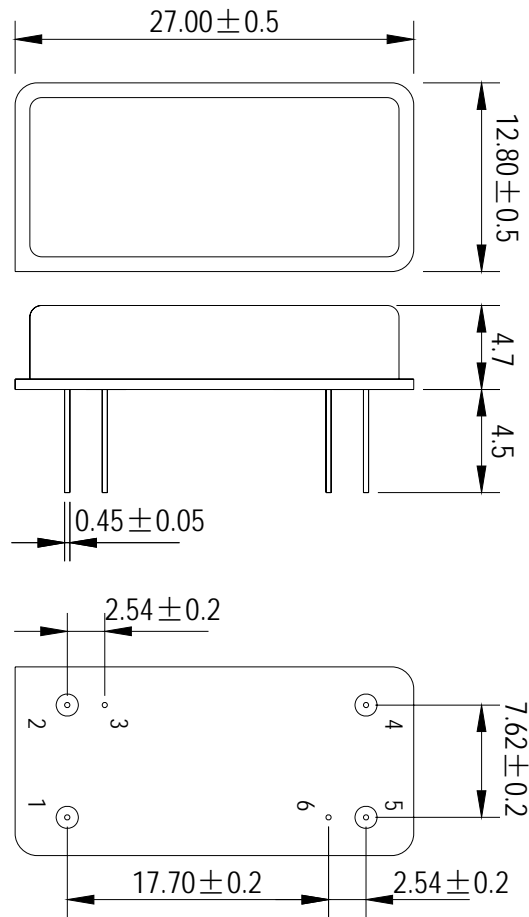
L1=150nH L2=(18+100)nH
C1=39pF c2=56pF
Source/Load Impedance=50 ohm
 Notes - Component values may change depending
 on board layout.



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

Part Number	LBS12401	
Rev. Date	2005-1-9	
Rev.	1.0	Page 1/3

Package Dimension



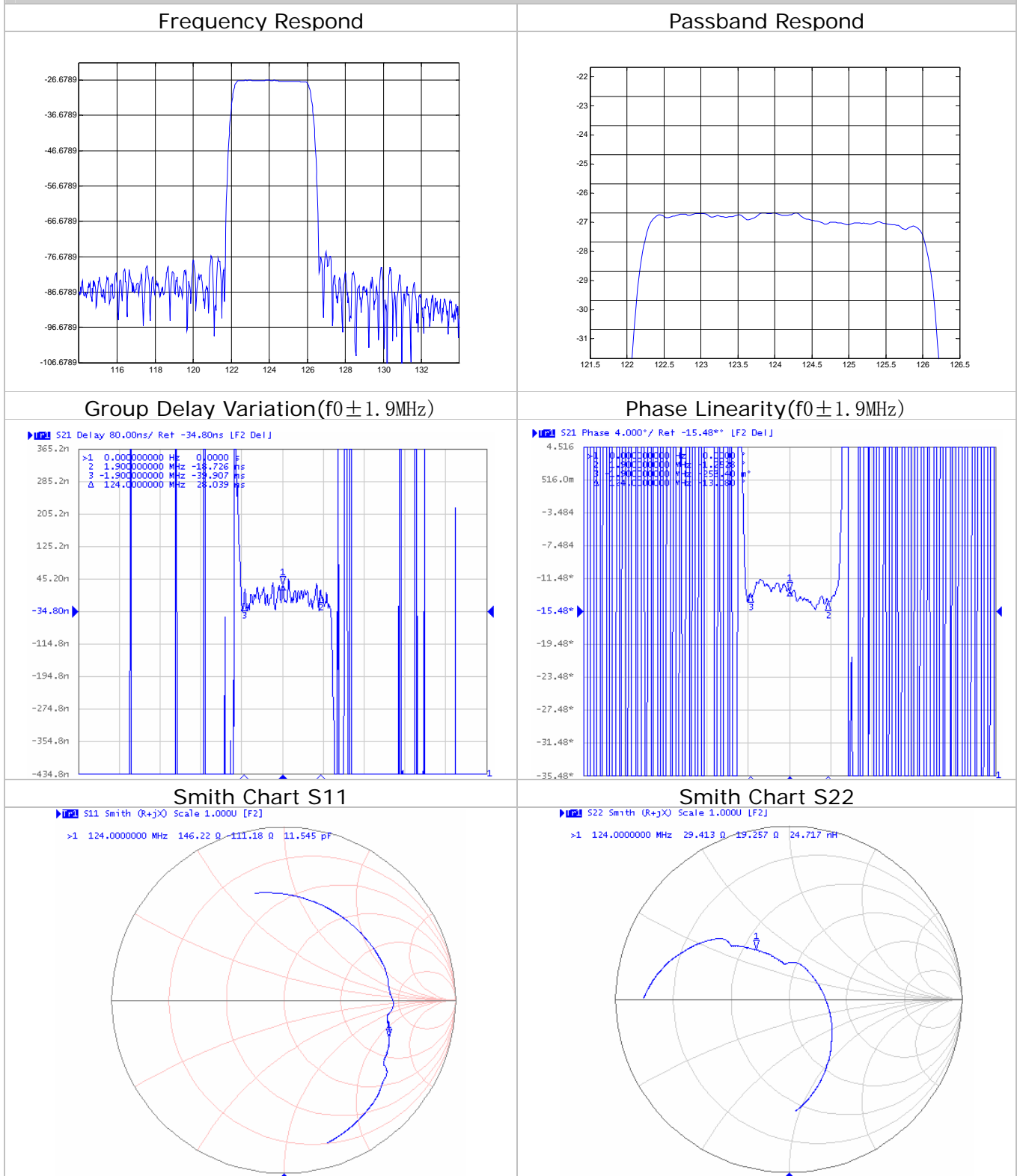
Input:1
Output:5



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

Part Number	LBS12401	
Rev. Date	2005-1-9	
Rev.	1.0	Page 2/3

Typical Performance



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

Part Number	LBS12401	
Rev. Date	2005-1-9	
Rev.	1.0	Page 3/3