

Features


- ◇ For RF SAW filter
- ◇ Single-ended operation
- ◇ Ceramic Surface Mount Package
- ◇ Small size
- ◇ No matching required for operation at 50Ω
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

Parameter	Unit	Minimum	Typical	Maximum	
Center Frequency	MHz	-	788	-	
Insertion Loss (773~803MHz)	dB	-	2.9	3.0	
Input/Output VSWR (773~803MHz)		-	1.6/1.6	2	
Passband Variation (773~803MHz)	dB	-	0.8	1.7	
Group Delay	ns	-	35	100	
Attenuation	DC~650MHz	dB	25	50	-
	703~748MHz	dB	30	47	-
	900~1709 MHz	dB	25	50	-
	1709~1999MHz	dB	28	35	-
	2000~3000MHz	dB	20	26	-
Material Temperature coefficient	kHz/°C		-28.37		
Substrate Material	-		42LT		
Ambient Temperature	°C		25		
Operating Temperature Range	°C	-40	-	+85	
DC Voltage	V		0		
Input Power	dBm	1) 13.5dBm CW, Ta=85度, 通带高频点, life time>10年; 2) 20 dBm CW, Ta=85度, 通带高频点, 连续测试2hr内, 电气性能满足规格要求			
ESD Class	-		1A		
Package Size			SMD3.0*3.0		

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	LBT78801	
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Matching Configuration

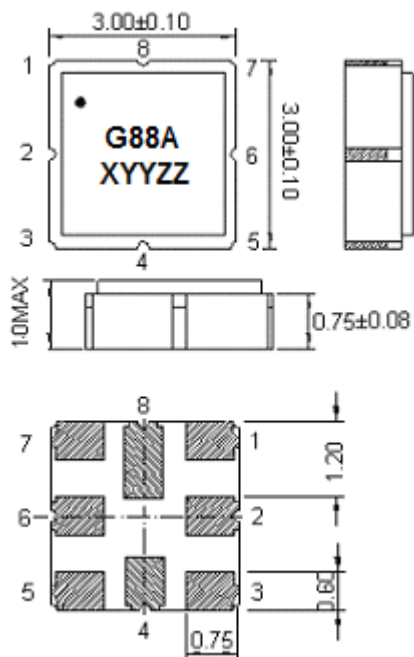
手动测试座



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input: 2
Output: 6
Ground: All Others

Marking Configuration:

- 1) ∙: Pad Number 1 Index
- 2) G88A: Part Number
- 3) XYYZZ: Date Code

Package: SMD3.0*3.0

Unit: mm

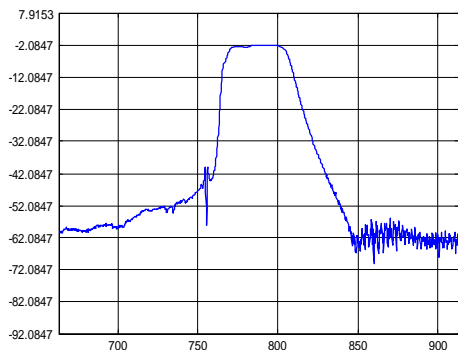


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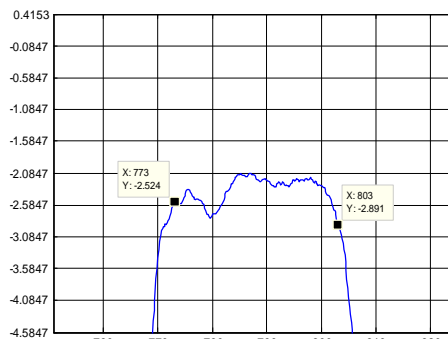
Typical Performance

Frequency Response



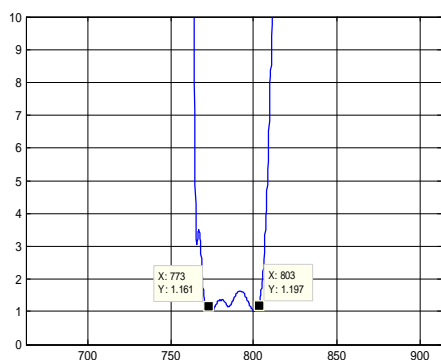
Horizontal: 50MHz/Div Vertical: 10dB/Div

Passband Response



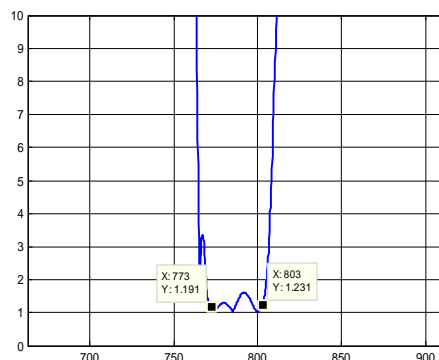
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VSWR S11



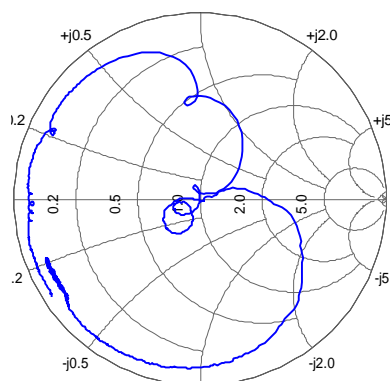
Horizontal: 50MHz/Div Vertical: 1ns/Div

VSWR S22

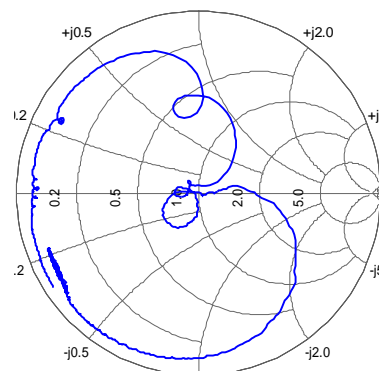


Horizontal: 50MHz/Div Vertical: 1deg/Div

Smith Chart S11



Smith Chart S22



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