



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		457.5	
Insertion Loss (455~460MHz)	dB		4	4.5
1dB bandwidth	MHz	5	5.09	
VSWR(455~460MHz)			1.7/1.7	2
Attenuation	100~445MHz	dB	30	50
	450~452.5MHz	dB	15	40
	462.5~465MHz	dB	15	28
	470~1000MHz	dB	30	45
Material Temperature coefficient	KHz/°C		-14.6	
Substrate Material	-		42LT	
Ambient Temperature	°C		25	
Operating Temperature Range	°C		25	
Storage Temperature Range	°C	-55	-	+100
ESD Class	-		1A	
Package Size		SMD5.0*5.0		

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	LBT45803	
		Rev. Date	2012-09-18	
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Matching Configuration

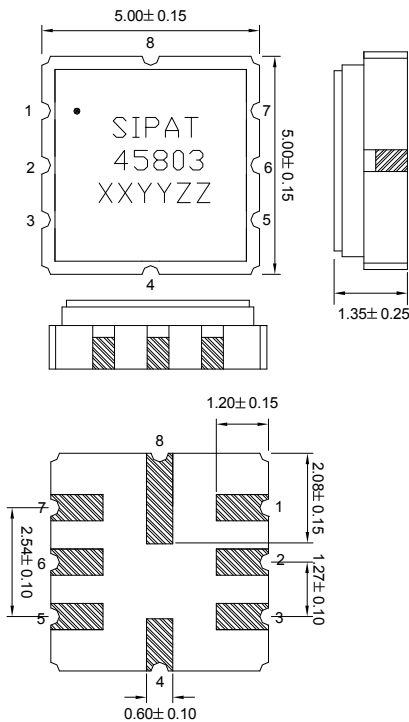
手 = 50Ω 50Ω



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) SIPAT: Manufacturer Name
- 2) 45803: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: SMD5.0*5.0

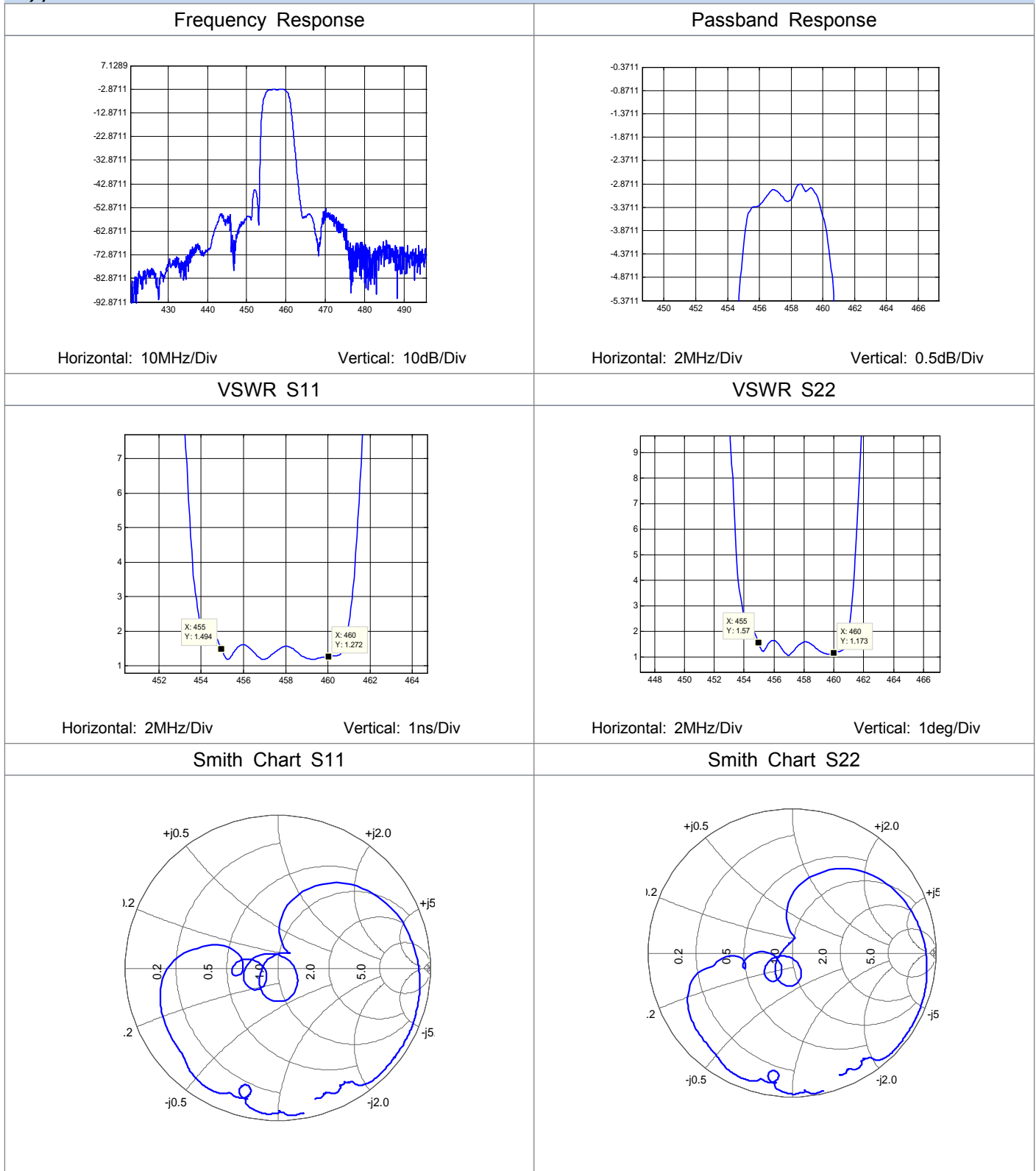
Unit: mm



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Typical Performance



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China Electronics Technology Group Corporation
No.26 Research Institute

458MHz SAW Filter
5MHz Bandwidth

SIPAT Co., Ltd.
www.sipatsaw.com

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