



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	452.4	452.5	452.6
Insertion Loss(450~455MHz)	dB		3.6	4.5
Passband Variation(450~455MHz)	dB		1.0	1.0
VSWR(450~455MHz)	dB		1.1.4	2
1dB bandwidth	MHz		5.23	
Attenuation	100 ~ 440MHz	dB	30	35
	445 ~ 447.5MHz	dB	15	30
	457.5 ~ 460MHz	dB	15	22
	465 ~ 1000MHz	dB	30	35
Material Temperature coefficient	kHz/°C		-16.29	
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	LBT45305	
		Rev. Date	2013-05-17	
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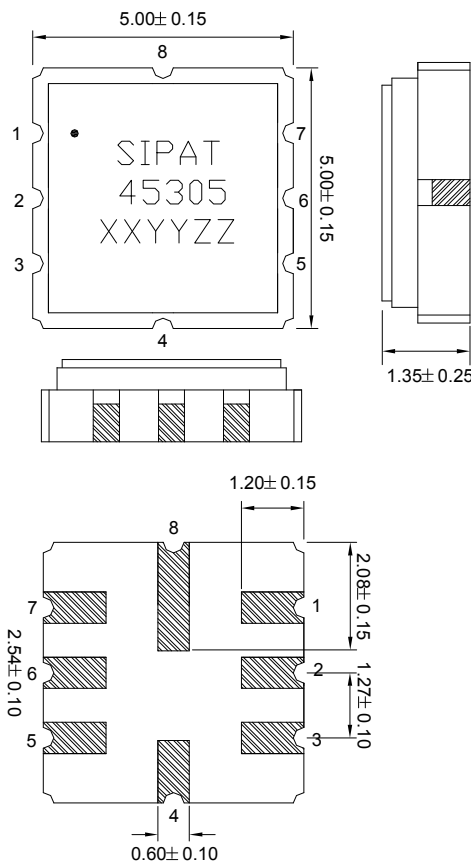
Matching Configuration



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) SIPAT: Manufacturer Name
- 3) 45305: Part Number
- 4) XXYYZZ: Date Code

Package: SMD5.0*5.0

Unit: mm



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Typical Performance

