ABSTS5A2-396M02CM

Request Samples 🕥

Check Inventory

1.1 x 0.9 x 0.5 mm RoHS/RoHS II Compliant MSL Level = 3

Features

- Low Loss Insertion
- Usable Bandwidth of 60 MHz
- AECQ-200 Compliant

Applications

- Automotive Applications
- Cellular 4G LTE, W-CDMA Systems
- Mobile Communications
- Low Loss Filter for Receive Path

Electrical Specifications

Дана	motors		Specification	ns
Гага	meters	Min	Тур	Max
Nominal Center F	requency (Fc) (MHz)		1950	
Insertion Loss (192		1.6	2.5	
Amplitude Ripple (19	920 ~ 1980 MHz) (dB)		0.6	1.5
Input VSWR (19	920 ~ 1980 MHz)		1.9	2.3
Output VSWR (1	920 ~ 1980 MHz)		1.9	2.3
Attenuation (dB)	DC ~ 1577 MHz	32	38	
	1577 ~ 1880 MHz	22	29	
	2110 ~ 2170 MHz	30	35	
	2500 ~ 3120 MHz	28	34	
	3840 ~ 3960 MHz	25	29	
	5760 ~ 5940 MHz	15	21	
Terminating Source & Load Impedance (Ω)			50	
Maximum Input Power (dBm)			10	
DC Voltage (V)			0	

Mechanical Specifications

Parameters	Specifications
Filter Dimension	1.1 x 0.9 x 0.5 mm
Mounting Type	SMD Mount

Environmental Specifications

Parameters	Specifications
Operating Temperature Range	-30°C ~ +85°C
Storage Temperature Range	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
RoHS/ RoHS II Compliant	Yes
MSL level	3
ESD Sensitive	Yes



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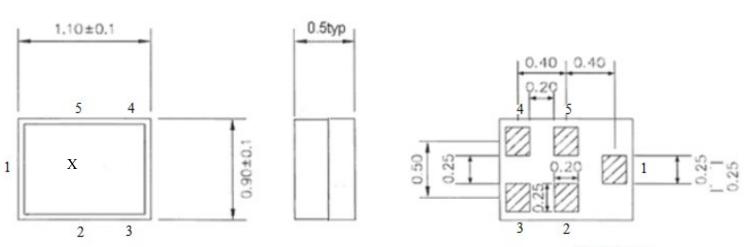
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Package Dimensions



Unit: mm

All tolerances are +/-0.05 mm unless otherwise specified Coplanarity: 0.1mm max 1 to 5: Pin numbers Unit: mm

Pin No.	Symbol	Function
1	IN	Input
2	GND	Ground
3	GND	Ground
4	OUT	Output
5	GND	Ground

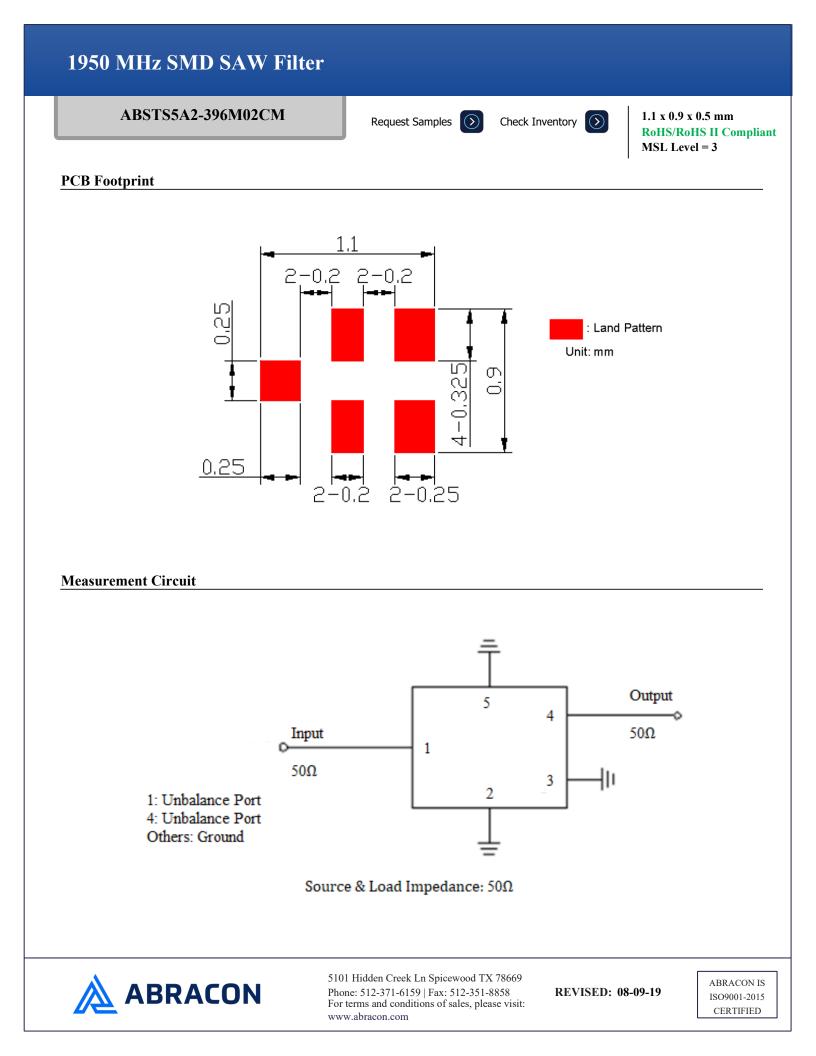
Marking Description: X: Year/Month Code (Follow the table)

YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	А	В	С	D	Е	F	G	Н	J	Κ	L	М
2014	Ν	Р	Q	R	S	Т	U	V	W	Х	Y	Ζ
2015	а	b	с	d	e	f	g	h	j	k	1	m
2016	n	р	q	r	s	t	u	v	w	х	у	z
2017	A	B	<u>C</u>	D	E	F	G	Н	J	K	L	M
2018	N	<u>P</u>	Q	R	<u>S</u>	T	U	V	W	X	Y	Z
2019	<u>a</u>	<u>b</u>	<u>c</u>	<u>d</u>	e	<u>f</u>	g	<u>h</u>	j	<u>k</u>	1	<u>m</u>
2020	<u>n</u>	<u>p</u>	q	<u>r</u>	<u>s</u>	<u>t</u>	u	v	W	X	У	Z

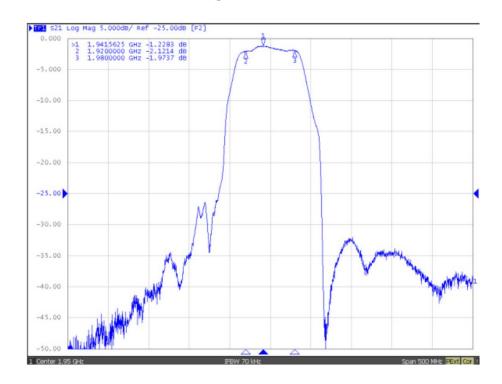


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1950 MHz SMD SAW Filter ABSTS5A2-396M02CM 1.1 x 0.9 x 0.5 mm Check Inventory Request Samples $\left|\right\rangle$ **RoHS/RoHS II Compliant** MSL Level = 3 **Transmission Characteristics** S21 (Span 200 MHz) 521 Log Mag 1.000dB/ Ref -5.000dB [F2] 123 1.9415000 GHz -1.2307 dB 1.9200000 GHz -2.1063 dB 1.9800000 GHz -1.9627 dB -1.000 -2,000 -3.000 -4.000 -5.000 -6.000



S21 (Span 500 MHz)



-7.000

-8.000

-9.000

-10.00

1 Center 1.95 GH

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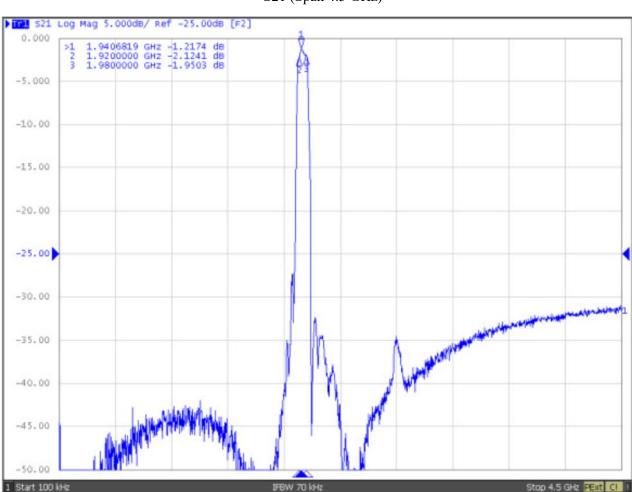
Span 200 MHz PExt C?

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S21 (Span 4.5 GHz)



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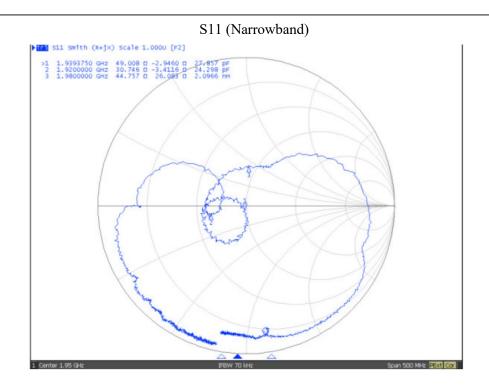
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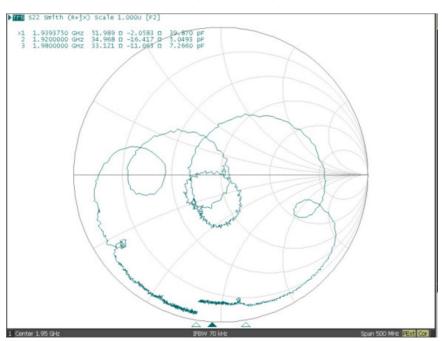
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Smith Charts



S22 (Narrowband)





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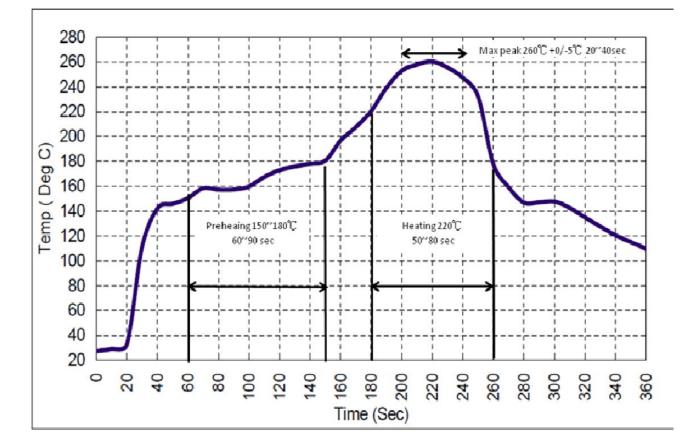
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Recommended Reflow Profile

- 1. Preheating shall be fixed at 150°C~180°C for 60-90 seconds.
- 2. Ascending time to preheating temperature 150°C shall be 30 seconds minimum.
- 3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C+0/-5°C peak (20~40sec.)
- 4. Time :2 times.

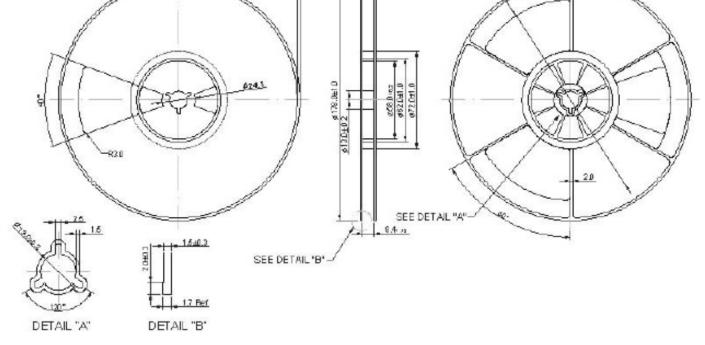




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1950 MHz SMD SAW Filter ABSTS5A2-396M02CM Request Samples is check Inventory is check Inventory Int subscription Packaging Packaging Type: Reel and Tape Pieces per Reel: 5k Reel Dimension



Unit: mm



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1950 MHz SMD SAW Filter ABSTS5A2-396M02CM 1.1 x 0.9 x 0.5 mm Request Samples $\left(\right)$ Check Inventory **RoHS/RoHS II Compliant** MSL Level = 3 **Tape Dimension** 4.0±0.1 0.2±0.05 75 ± 0.1 ø1.5+0.1 2.0±0.05 ٠A 3.5±0.05 8.0±0.2 ≥ 5 .3±0.03 В B ø0.5±0.05 4.0 ± 0.1 ٠A SECTION A-A Bo 1.06±0.03

SECTION B-B

Unit: mm

Direction of Feed

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