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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



"High Frequency Ceramic Solutions"

5.67GHz High Rejection UNII-High, Band Pass Filter

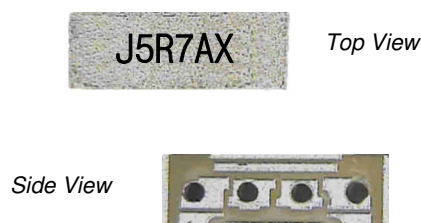
P/N 5697CR45A0360

Detail Specification: 10/26/2017

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General Specifications

Part Number	5697CR45A0360
Operating Passband Freq.	5490 - 5850 MHz
Insertion loss (5490-5670MHz)	1.7 typ. (2.5 max.) dB
Insertion loss 2 (5670-5850MHz)	0.8 typ. (1.5 max.) dB
Return Loss (dB)	10 min.
Ripple in bandwidth (dB)	1.3 max.
Power Capacity (W)	1 max. (CW)



Attenuation (dB)		Reel Quantity	1,000 pcs
30 - 2700 MHz	48 typ. (43 min.)	Operating Temperature	-40 to +100°C
3453 - 3547 MHz	45 typ. (42 min.)	Storage Temperature	-40 to +100°C
3667 - 3883 MHz	45 typ. (40 min.)	Recommended Storage Conditions for unused T&R product	+5 ~ +35 °C, Humidity 45~75%RH, 18 months. 1 week max after opened.
5150 - 5330 MHz	52 typ. (50 min.)		

For more info go to www.johansontechnology.com/silverleads

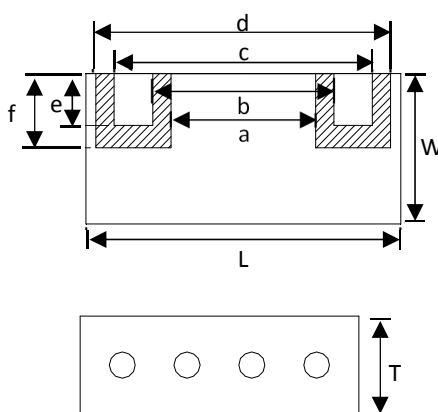
You can download measured s-parameters of this component at: www.johansontechnology.com/band-pass-filters

Part Number Explanation

P/N	Packaging Style	Bulk	Suffix = S	E.g. 5697CR45A0360S
		T & R	Suffix = T	E.g. 5697CR45A0360E
Suffix	Termination Style	Silver	Suffix = None	E.g. 5697CR45A0360(E or S)
	Evaluation Board	50Ω SMA	Suffix = EB1SMA	E.g. 5697CR45A0360-EB1SMA

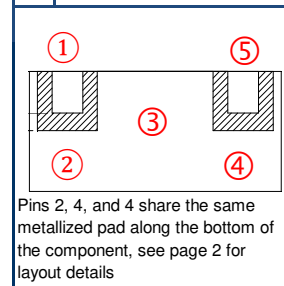
Mechanical Dimensions

	In	mm
L	0.337 ± 0.010	8.56 ± 0.25
W	0.128 ± 0.010	3.25 ± 0.25
T	0.114 ± 0.010	2.90 ± 0.25
a	0.156 ± 0.010	3.95 ± 0.25
b	0.195 ± 0.010	4.95 ± 0.25
c	0.278 ± 0.010	7.05 ± 0.25
d	0.317 ± 0.010	8.05 ± 0.25
e	0.053 ± 0.010	1.35 ± 0.25
f	0.077 ± 0.010	1.95 ± 0.25



Terminal Configuration

No.	Function
1	IN/OUT
2	GND
3	GND
4	GND
5	IN/OUT



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"High Frequency Ceramic Solutions"

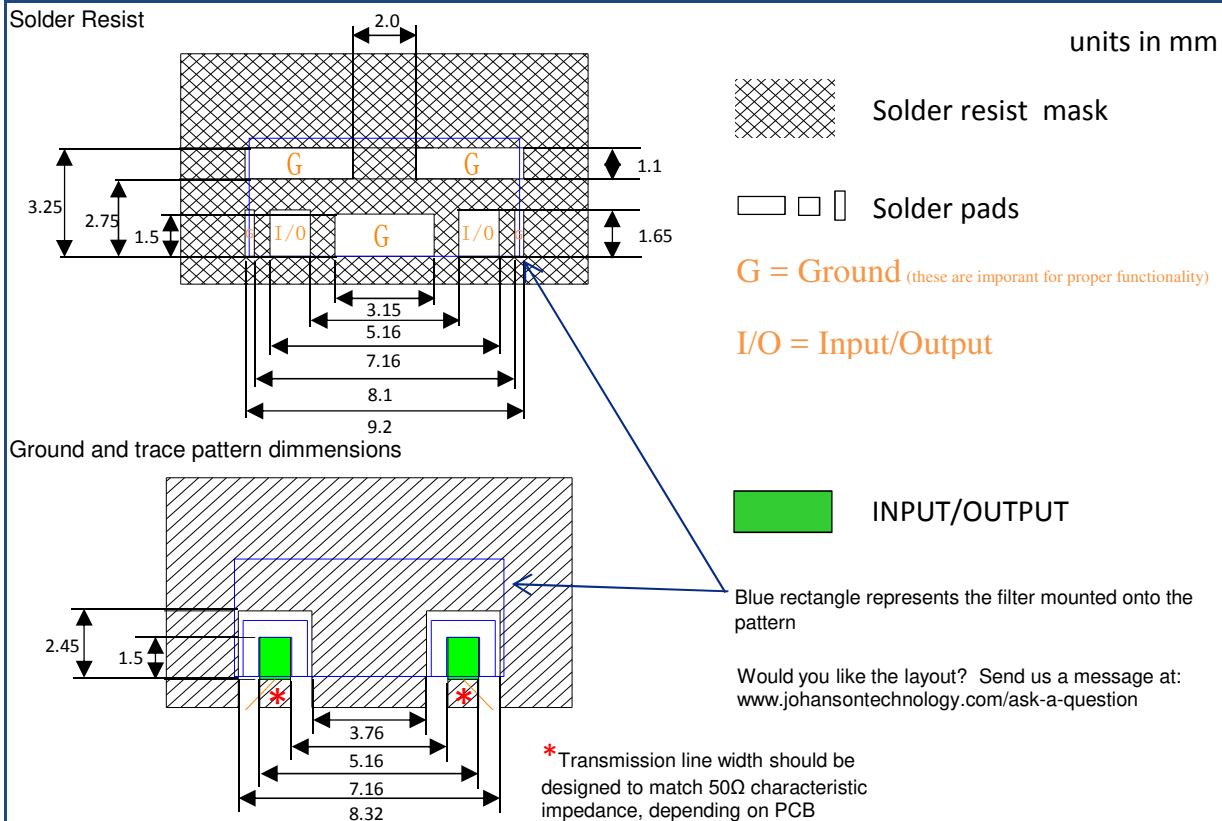
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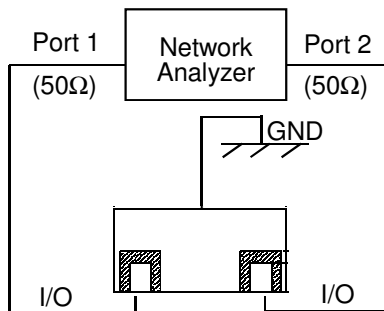
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Mounting Pad Dimensions (Solder Resist pattern and Conductive pattern)



Measurement Schematic



Port 1: Filter IN/OUT
Port 2: Filter IN/OUT

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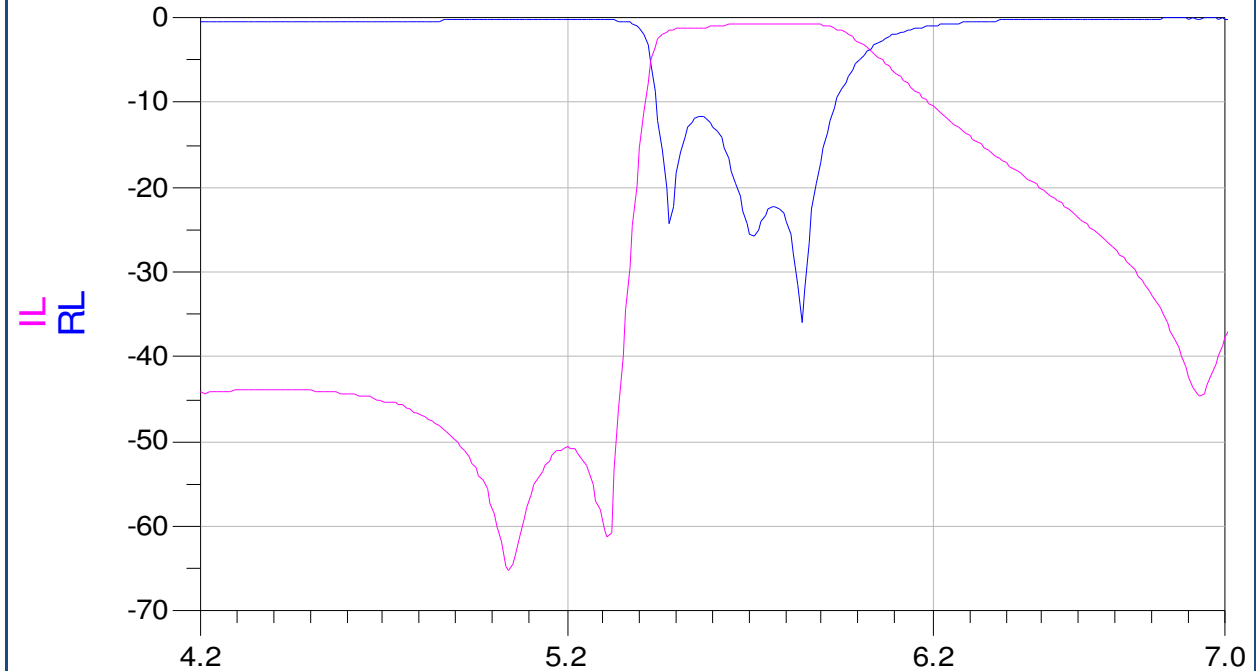
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Typical Electrical Characteristics (T=25°C)

Insertion Loss & Return loss



Do you need the S-parameter file of the above? Send us a message at:
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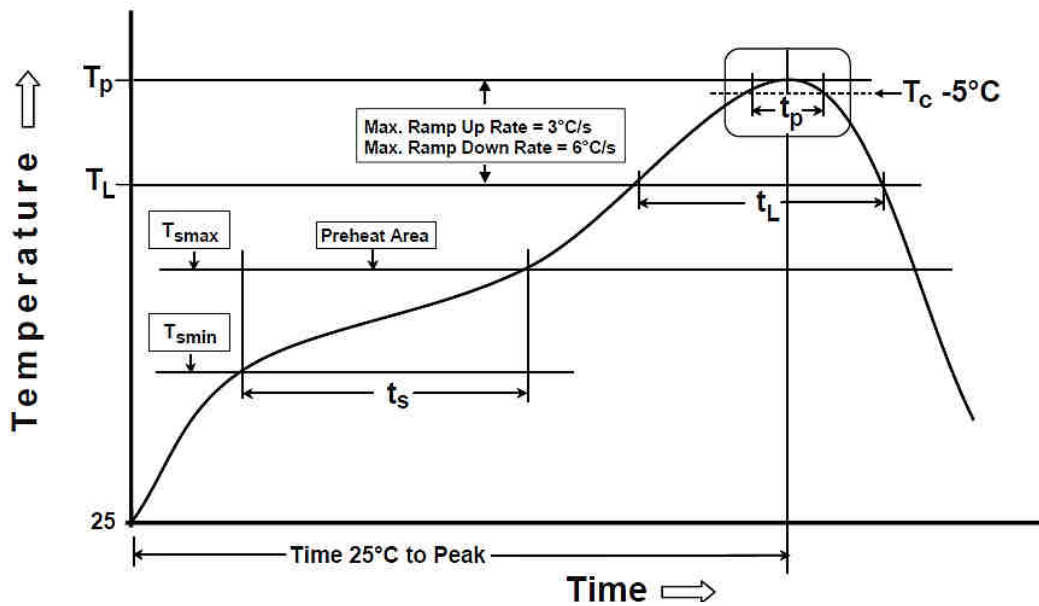
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Recommended Reflow Soldering Profile



Phase	Profile features	Pb-Free Assembly (SnAgCu)
Preheat	-Temperature min(T_{smin}) -Temperature max(T_{smax}) -Time(t_s) from (T_{smin} to T_{smax})	150°C 200°C 60-120 seconds
Ramp-up	Avg. Ramp-up rate(T_{smax} to T_p)	3°C/second(max)
Reflow	-Temperature(T_L) -Total time above T_L (t_L)	217°C 30-100 seconds
Peak	-Temperature(T_p) -Time(t_p)	260°C 3 second
Ramp-down	Rate	6°C/second max.
Time from 25°C to peak temperature		8 minutes max.
Composition of solder paste		96.5Sn/3Ag/0.5Cu

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Application Notes, Layout Files, and more

www.johansontechnology.com/band-pass-filters

Packaging information

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Soldering Information

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MSL Info

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Recommended Storage Condition and Max Shelf Life

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RoHS Compliance

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Antenna layout and tuning techniques

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