"High Frequency Ceramic Solutions"

1.9 GHz High Pass Filter — P/N 1900HP41C0500

Detail Specification: 12/16/08

General Specifications

Part Number	1900HP41C0500
Freq Range (MHz)	1650 - 2150
Insertion Loss	2.0 dB max.
Return Loss	8.5 dB min.
Ripple (dB)	0.25 max @ 1650~1675MHz (+ 25°C)
Attenuation (min.)	27 dB @ 950 - 1450 MHz

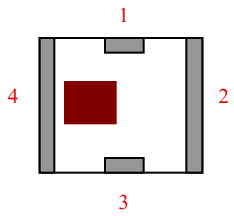
Impedance	50 Ω
Input Power	500 mW max.
Reel Quantity	2,000
Operating Temperature	-40 to +85°C
Storage Temperature	+5 to +35°C, Humidity: 45-75%RH, 12 mos. Max*

* - 1 yr shelf life in bag; 1 week shelf life out of bag

Termination Style	100% Tin	Suffix = "None"	eg. 1900HP41C0500
	Tin / Lead	Suffix = "/Pb"	eg. 1900HP41C0500/Pb

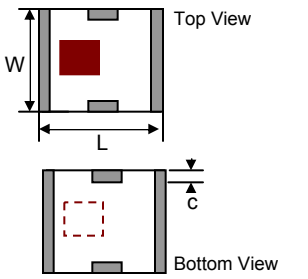
Terminal Configuration

No.	Function
1	IN
2	GND
3	OUT
4	GND



Mechanical Dimensions

	In	mm
L	0.126 ± 0.008	3.20 ± 0.20
W	0.098 ± 0.008	2.50 ± 0.20
T	0.059 ± 0.004	1.50 ± 0.10
a	0.016 ± 0.008	0.40 ± 0.20
b	0.024 ± 0.008	0.60 ± 0.20
c	0.012 ± 0.006	0.30 ± 0.15

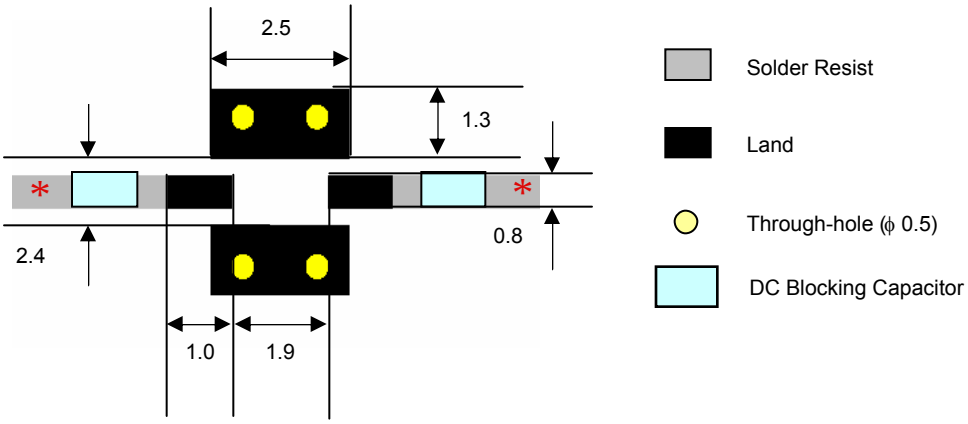


Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to provide 50Ω characteristic impedance, depending on PCB material and thickness.

* DC Blocking capacitor is connected in series at each In/Out Port.



Units: mm

JOHANSON TECHNOLOGY

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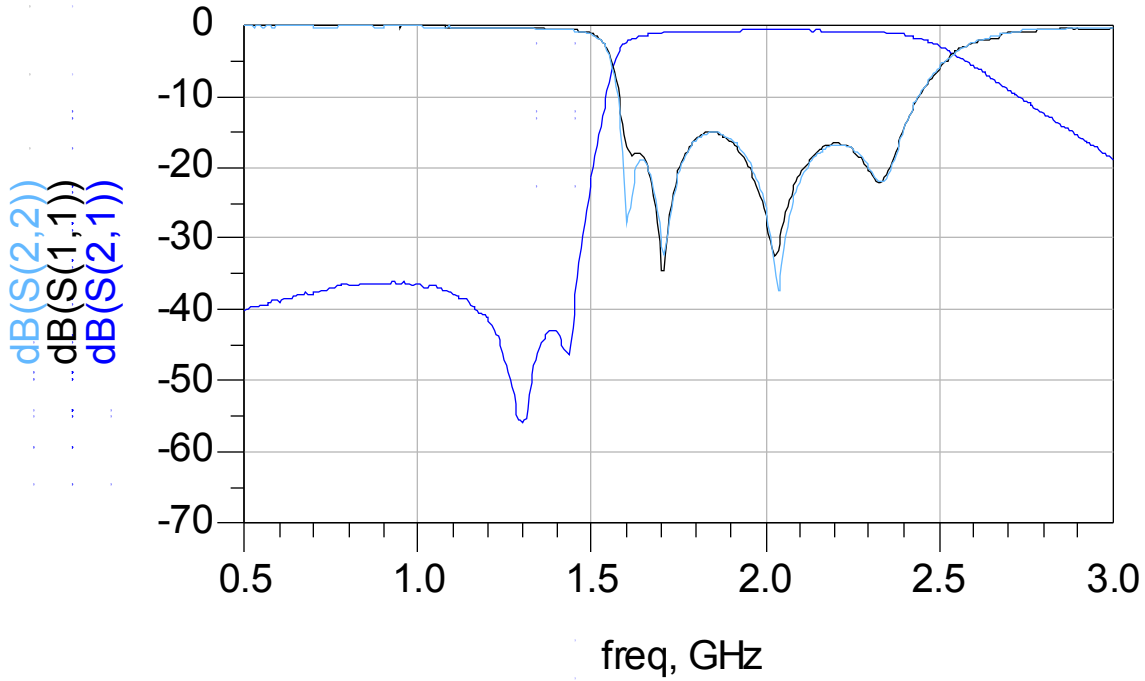
1.9 GHz High Pass Filter **P/N 1900HP41C0500**

Detail Specification: 12/16/08

Typical Electrical Performance (T=25°C)



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