

"High Frequency Ceramic Solutions"

Preliminary

5.8 GHz Band Pass Filter

P/N 5800BP18A0100

Detail Specification: 06/17/10

Page 1 of 2

General Specifications

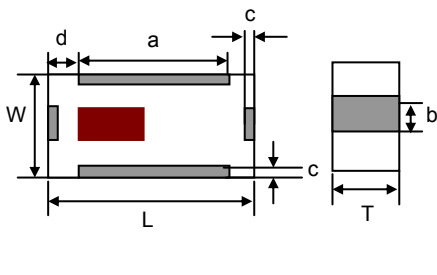
Part Number	5800BP18A0100	
Frequency (MHz)	5750 ~ 5850	
Insertion Loss	2.0 dB max.	
Return Loss	9.5 dB min.	
Attenuation (min.)	2000MHz	35 dB
Attenuation (min.)	3000MHz	30 dB
Attenuation (min.)	8500~9000MHz	25 dB

Input Power	500 mW max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35 °C, Humidity 45~75%RH, 12 mos. max
Reel Quantity	3,000

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

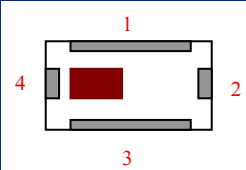
Mechanical Dimensions

	In	mm
L	0.126 ± 0.006	3.20 ± 0.15
W	0.063 ± 0.006	1.60 ± 0.15
T	0.037 ± 0.004	0.95 ± 0.10
a	0.075 ± 0.006	1.90 ± 0.15
b	0.020 ± 0.006	0.50 ± 0.15
c	0.012 ± 0.008	0.30 ± 0.20
g	0.026 ± 0.008	0.65 ± 0.20



Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

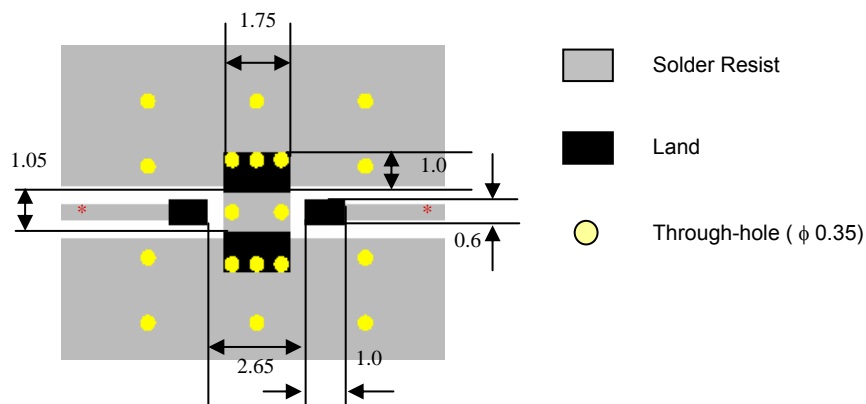


Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to provide 50 Ω impedance matching characteristics.

Units: mm



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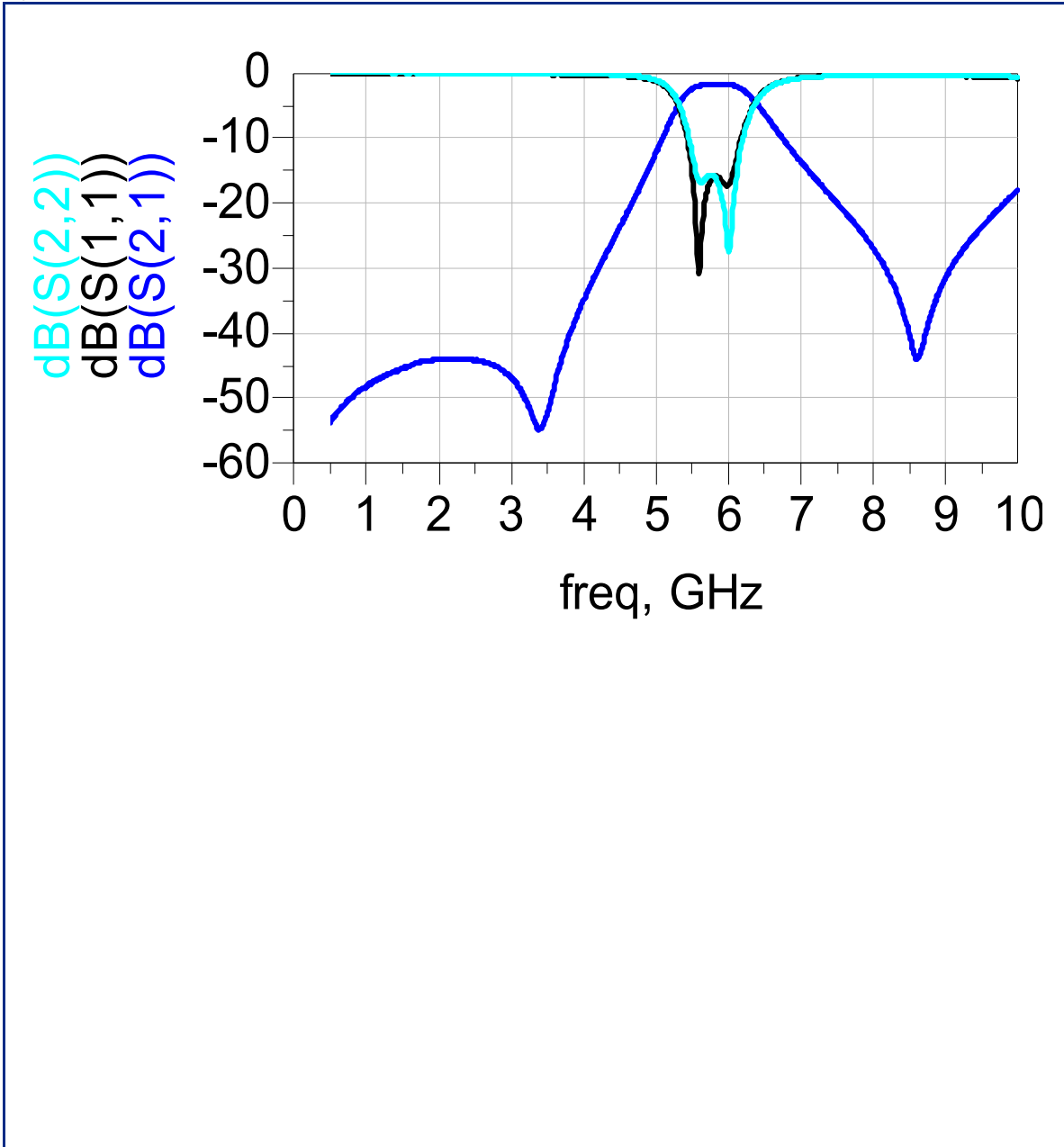
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Page 2 of 2

Typical Electrical Performance (T=25°C)



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