

"High Frequency Ceramic Solutions"

Preliminary

2.45 / 5.5GHz WLAN Ceramic Diplexer (BPF/BPF type).

P/N 2450DP15N5500

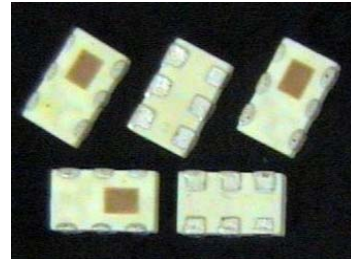
LGA bottom terminations

Detail Specification: 8/2/2012

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General Specifications

Part Number		2450DP15N5500		
Operating Temperature Range		-40 ~ +85 °C		
Frequency	Insertion Loss	Passband VSWR	Return Loss Min	Attenuation (db)
2400~2500	2.4 max. @ 25°C	2.0 max.	-9.54	28 min. @ 824~915MHz
				28 min. @ 1545~1610MHz
				24 min. @ 1710~1990MHz
				18 min. @ 2110~2170MHz
				27 min. @ 4800~5000MHz
5150~5850	1.2 max. @ 25°C	2.0 max.	-9.54	20 min. @ 7200~7500MHz
				25 min. @ 1545~1610MHz
				25 min. @ 2400~2500MHz 25 min. @ 10300~11700MHz



Recommended Storage Conditions*	+5 to +35 °C, Humidity 45~75%RH
Reel Quantity	4,000
Storage Period	18 months max.
Power Capacity	1W max.

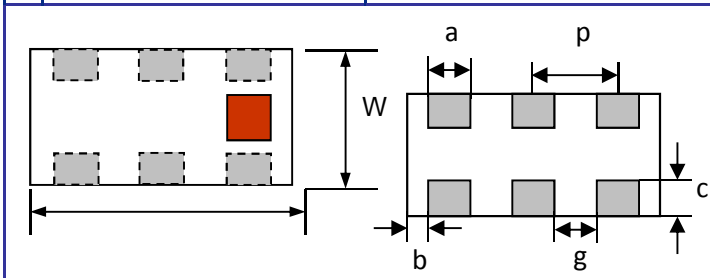
*18 months in vacuum sealed bag and 1 week cumulative after opened.

Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 2450DP15N5500S
		T & R (3000pcs)	Suffix = E	eg. 2450DP15N5500E
	Termination style	100% Tin	Suffix = None	eg. 2450DP15N5500(E or S)
	Evaluation Board	2450DP15N5500-EBSMA		

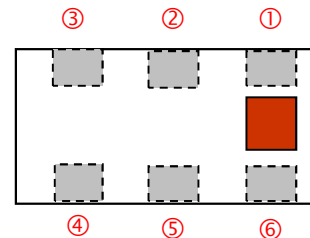
Mechanical Dimensions

	In	mm
L	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.031 ± 0.004	0.80 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.012 ± 0.004 /-0.2	0.30 ± 0.10
g	0.014 ± 0.004	0.35 ± 0.10
p	0.026 ± 0.002	0.65 ± 0.05



Terminal Configuration

No.	Function
1	Lower Freq. Port
2	GND
3	Higher Freq. Port
4	GND
5	Common Port
6	GND



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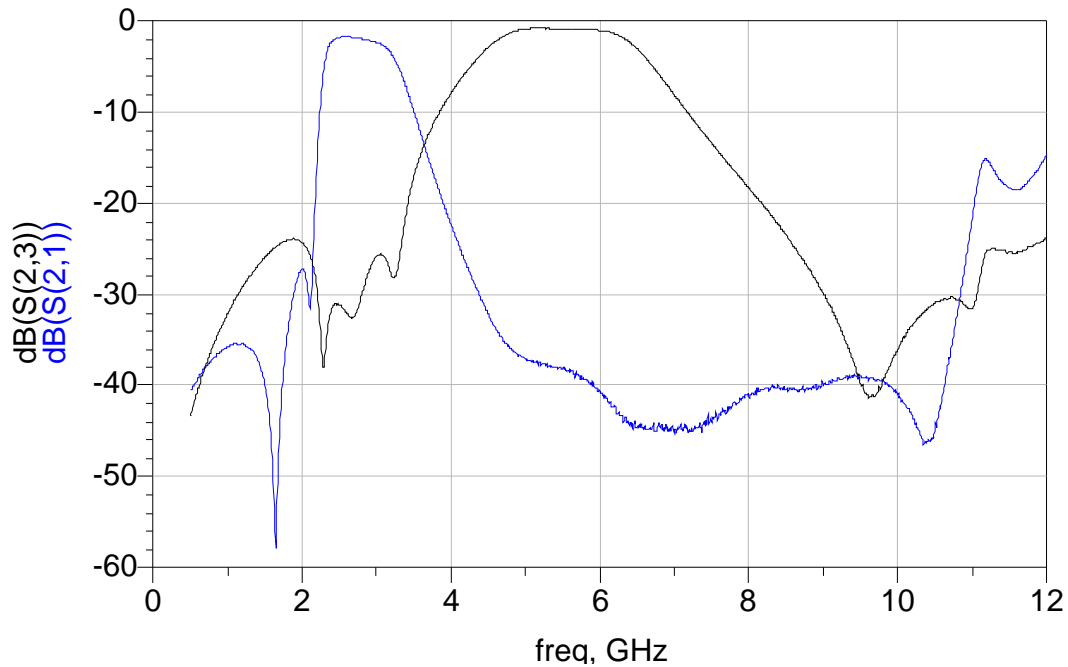
LGA bottom terminations

Detail Specification: 8/2/2012

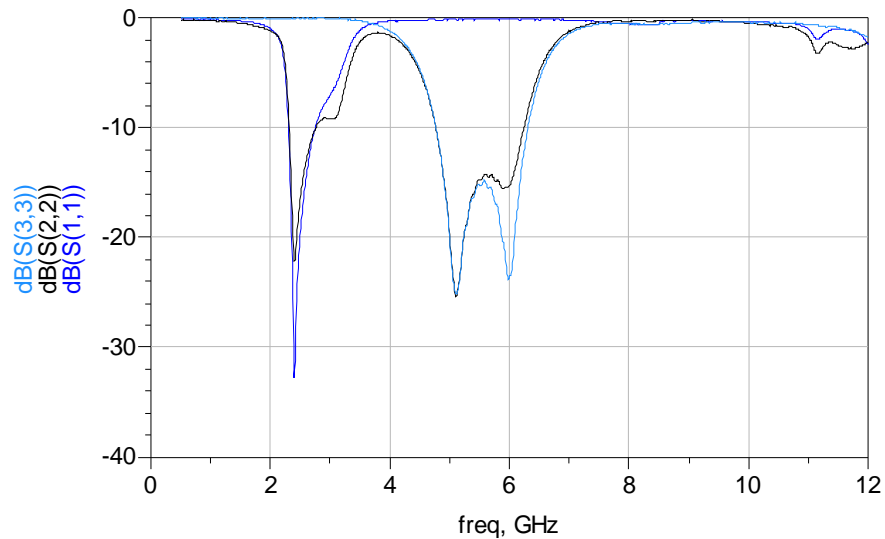
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Typical Electrical Performance (T=25°C)

Attenuation



Return Loss



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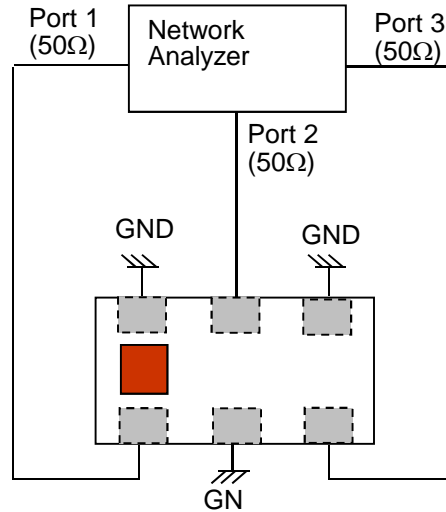
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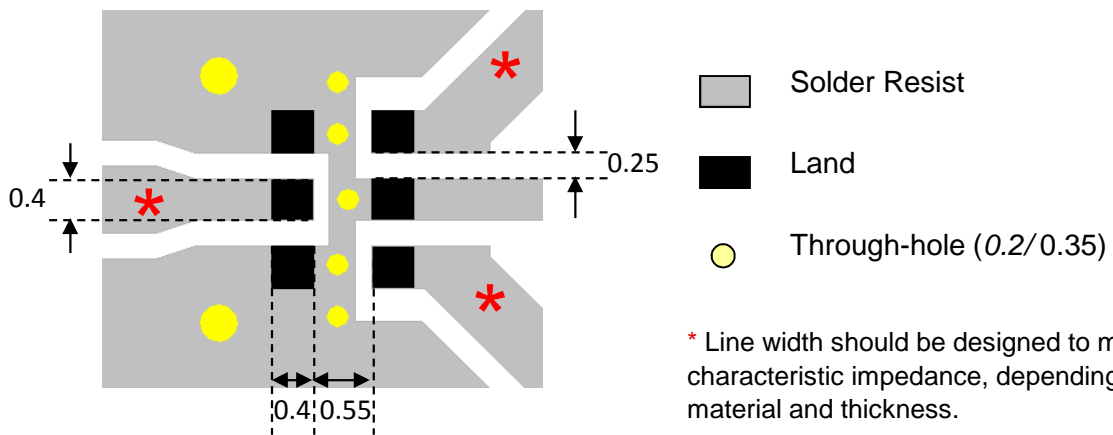
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Measuring Diagram



Mounting Considerations



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