High Frequency Ceramic Solutions

430 MHz 1:2 Balun

P/N 0430BL15A0100

Detail Specification: 12/16/2009

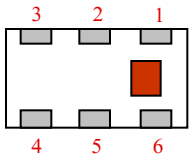
General Specifications

Part Number	0430BL15A0100
Frequency (MHz)	400 ~ 460
Unbalanced Impedance	50 Ω
Balanced Impedance	100 Ω
Insertion Loss	1.0 dB max.
Return Loss	9.5 dB min.
Phase Difference (degree)	180 ± 10
Amplitude Difference	2.0 dB max.

Reel Quanity	4,000
Power Capacity	2W max.
Operating Temperature	-40 to +85°C
Storage Temperature	+5 to +35°C, Humidity: 45-75%RH, 12 mos. Max

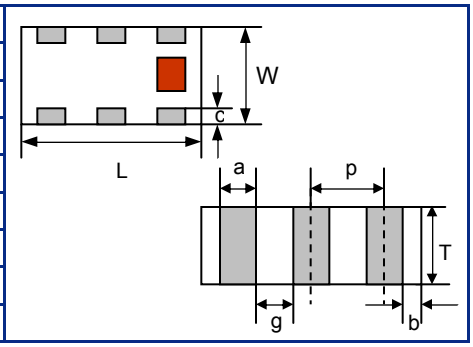
Terminal Configuration

No.	Function
1	Balanced Port (OUT1)
2	GND
3	Balanced Port (OUT2)
4	Unbalanced Port (IN)
5	NC
6	GND



Mechanical Dimensions

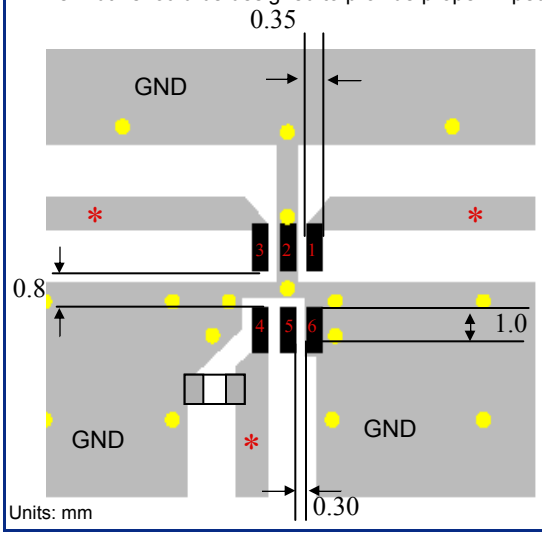
	In	mm
L	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.037 ± 0.004	0.95 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.012 +.004/-.008	0.30 +0.1/-0.2
g	0.014 ± 0.004	0.35 ± 0.10
p	0.026 ± 0.002	0.65 ± 0.05



Mounting Considerations

Mount these devices with brown mark facing up.

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



Solder

Land

Through-hole
(ϕ 0.3)

12pF Matching Capacitor

DC Path:

Pins: 1 - 2 - 3

Pins: 4 - 6

This component does not cater DC feed.

JOHANSON TECHNOLOGY

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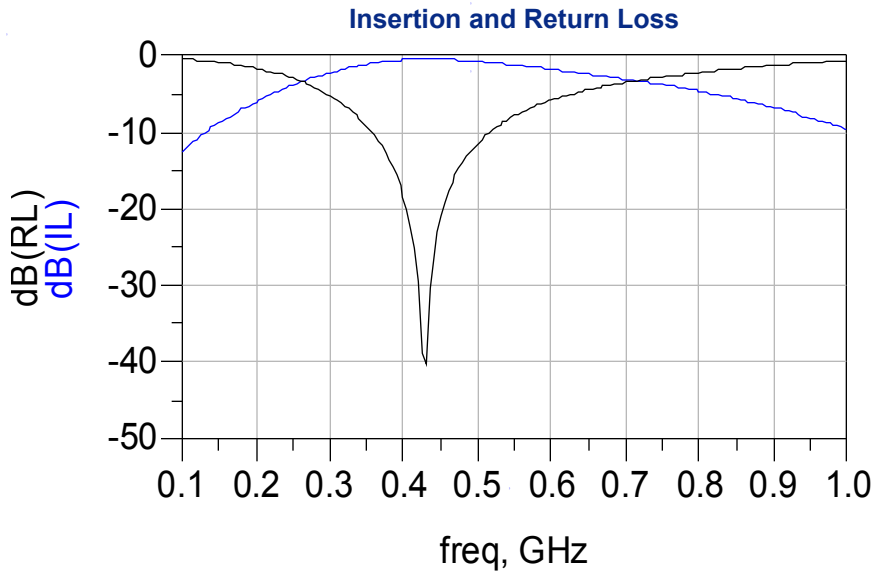
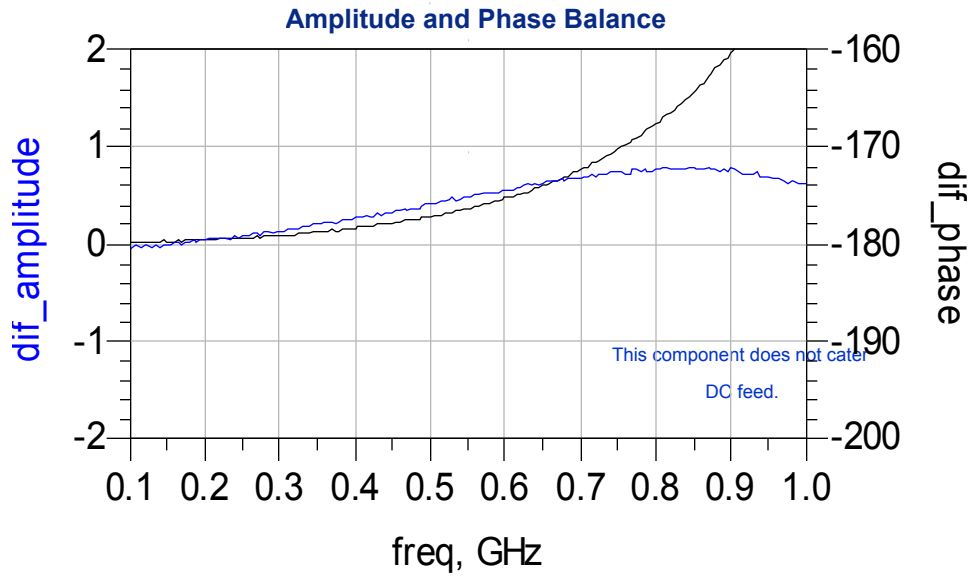
Typical Electrical Performance (T=25°C)





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