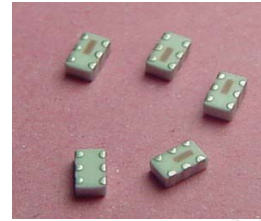


# Multilayer Chip Baluns

## Features

- Monolithic SMD with small, low-profile and light-weight type.



## Applications

- 0.8-6 GHz wireless communication systems, including DECT/PACS/PHS/GSM/DCS/PCS phones, WLAN card Bluetooth modules, etc.

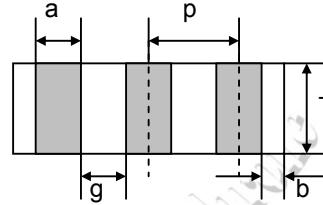
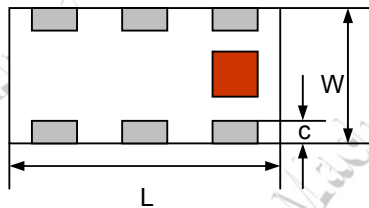
## Part Number Systems

**MBL - 3216 - 20 - B - 1800 - LF**

(1) (2) (3) (4) (5) (6)

(1)	Product series	(2)	Dimensions (L x W): 3.2 x 1.6 mm
(3)	Balance Impedance: 20 = 200 ohm	(4)	Material Type
(5)	Central Frequency: 1800 = 1800MHz	(6)	ROHs Compliant

## Shape And Dimensions



Unit: mm

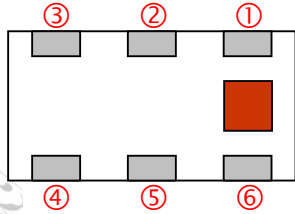
Type	L	W	T	a	b	c	g	p
3216	3.2 ± 0.15	1.6 ± 0.15	0.85 ± 0.1	0.55 ± 0.15	0.35 ± 0.15	0.3 + 0.1/-0.2	0.4 ± 0.15	1.0 ± 0.1

MBL3216-Series				ELECTRICAL CHARACTERISTICS				
Part Number	Frequency Range (MHz)	Unbalanced Impedance (ohm)	Balanced Impedance (ohm)	Insertion Loss (dB)	VSWR @BW	Phase Difference (degree)	Amplitude Difference (dB)	Power Capacity
MBL-3216-20-B-1800-LF	1700 ~ 1900	50	200	0.8 Max.	2.0 Max.	180 ± 10	2 Max.	3W Max
MBL-3216-20-B-2100-LF	2000 ~ 2200	50	200	0.8 Max.	2.0 Max.	180 ± 10	2 Max.	3W Max

\* All specifications are subjected to change without prior notice.

# Multilayer Chip Baluns

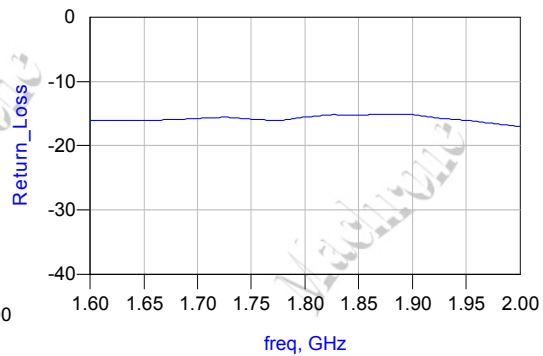
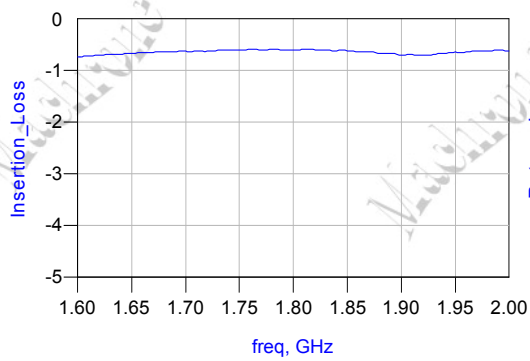
## Terminal Configuration



No.	Terminal Name	No.	Terminal Name
1	GND or DC feed	4	Balanced Port (Port 2)
2	Unbalanced Port (Port 1)	5	NC
3	GND or DC feed	6	Balanced Port (Port 3)

## Typical Electrical Characteristics (Temperature = 25°C)

### ❖ MBL-3216-20-B-1800-LF



### ❖ MBL-3216-20-B-2100-LF

