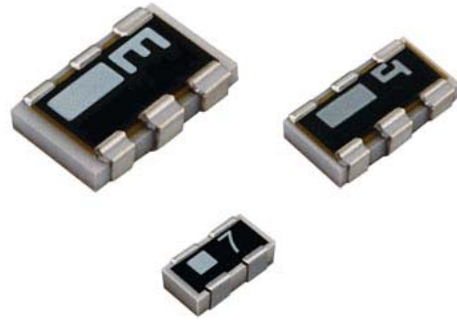


◆ Features

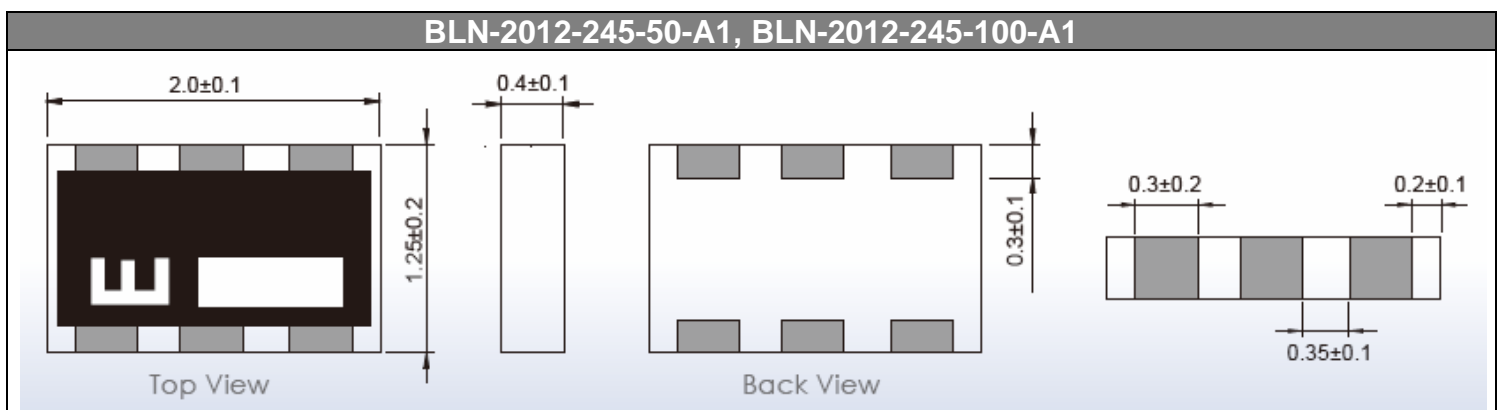
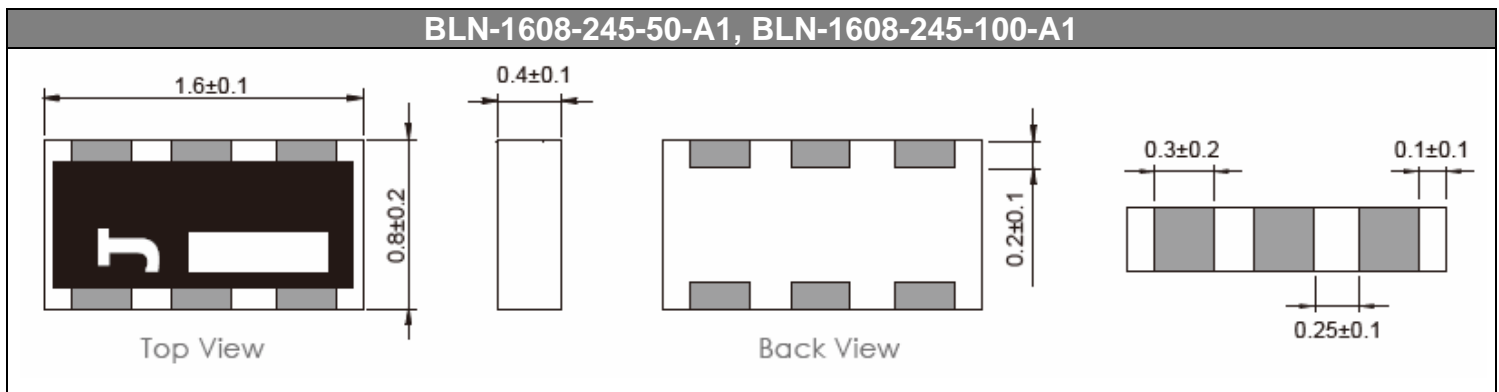
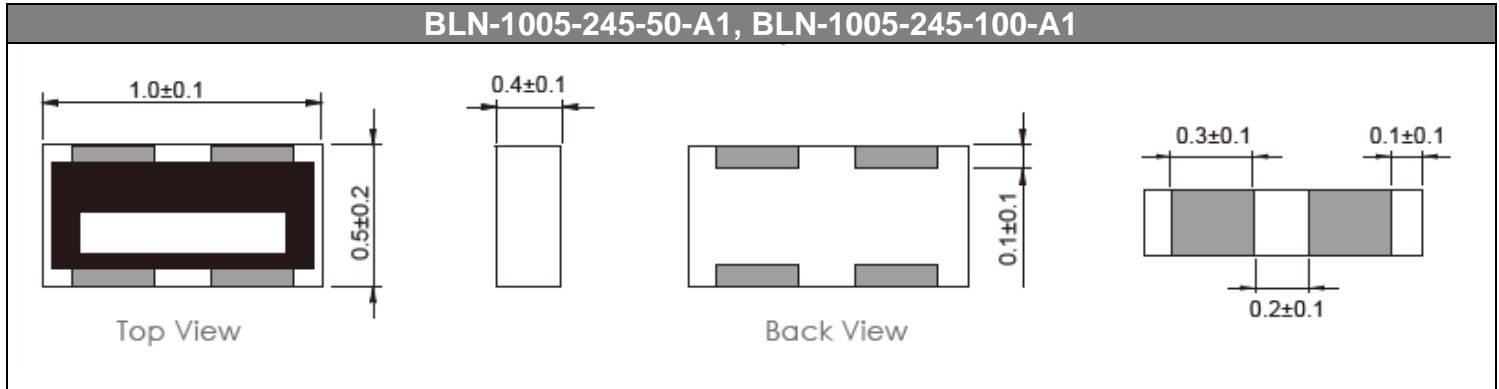
- 1.2.45GHz Thin Film Balun
- 2.Lead Free, RoHS Compliance

◆ Application

For ISM Band applications like Bluetooth/WLAN



◆ Dimensions (mm):



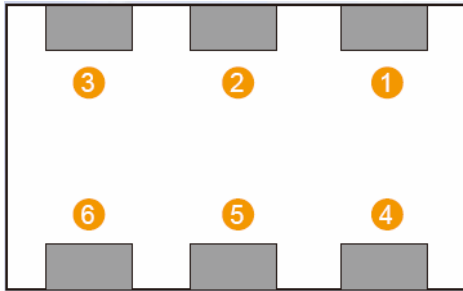
◆ Specifications

Part Number	BLN-1005-245-50-A1 BLN-1608-245-50-A1 BLN-2012-245-50-A1	BLN-1005-245-100-A1(1.2dB Max. at 25°C) BLN-1608-245-100-A1(0 ±1.0dB Max.) BLN-2012-245-100-A1
Unbalance Port Impedance	50 Ω	
Balance Port Impedance	50 Ω	100 Ω
Center Frequency	2450MHz	
Bandwidth	2400 ~ 2500MHz	
Phase Balance	180 ± 10°	
Amplitude Balance	0 ±2.0 dB Max.	
Insertion Loss	1.2 dB Max. at +25°C	1.0 dB Max. at +25°C
VSWR in BW	2.0 Max.	
Power Capacity	500mW Max.	

◆ Characteristics

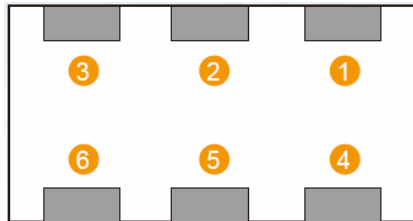
Terminal Configuration

BLN-2012-245-50-A1 、 BLN-2012-245-100-A1 、 BLN-1608-245-50-A1



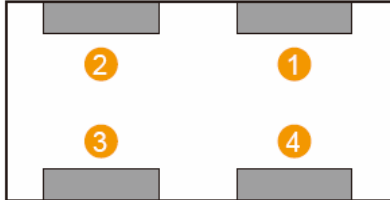
(1)	Balance Port
(2)	GND or DC Feed + RF GND
(3)	Unbalance Port
(4)	Balance Port
(5)	GND
(6)	NC

BLN-1608-245-100-A1



(1)	GND
(2)	NC
(3)	Unbalance Port
(4)	Balance Port
(5)	NC
(6)	Balance Port

BLN-1005-245-50-A1 、 BLN-1005-245-100-A1

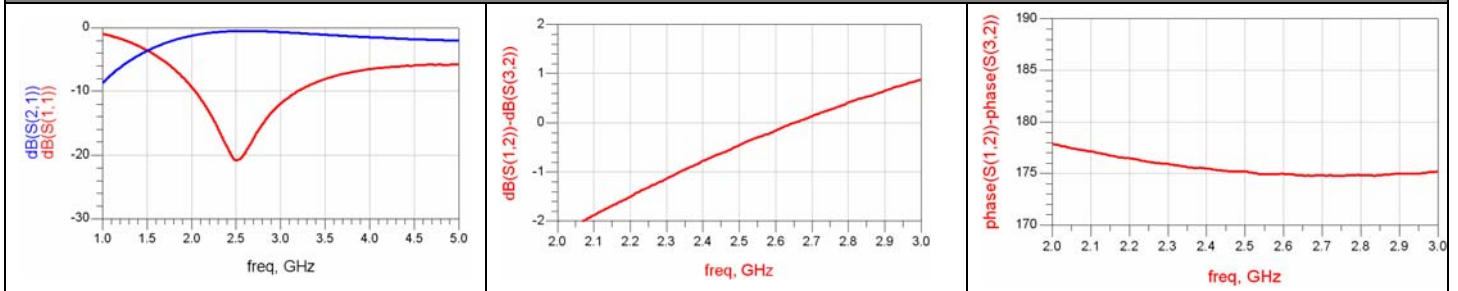


(1)	Balance Port
(2)	Balance Port
(3)	GND or DC Feed + RF GND
(4)	Unbalance Port

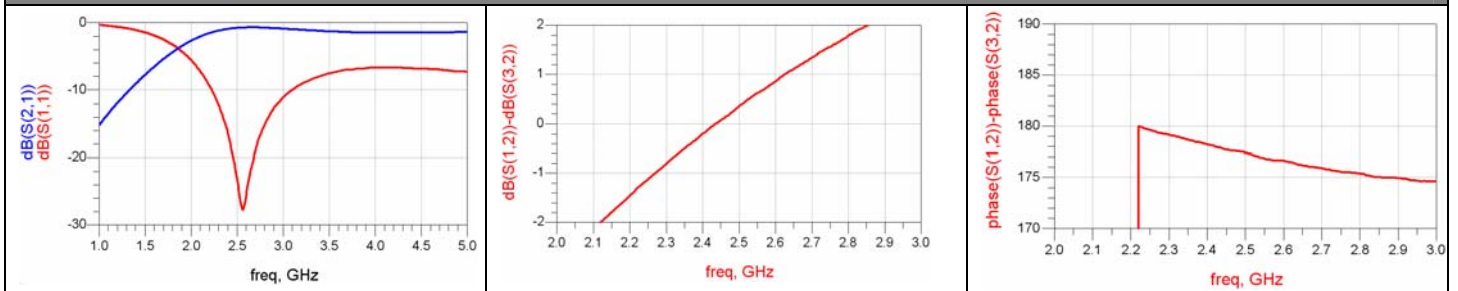
◆ Characteristics

Electrical Performance

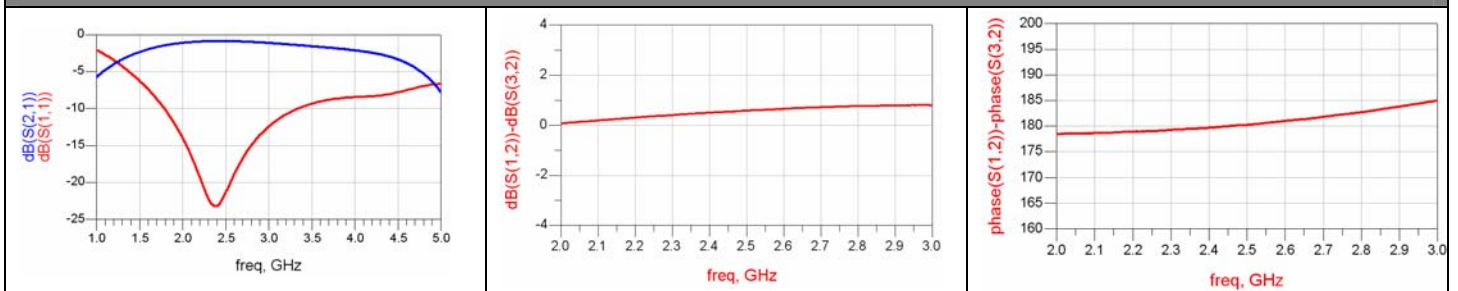
BLN-1005-245-50-A1



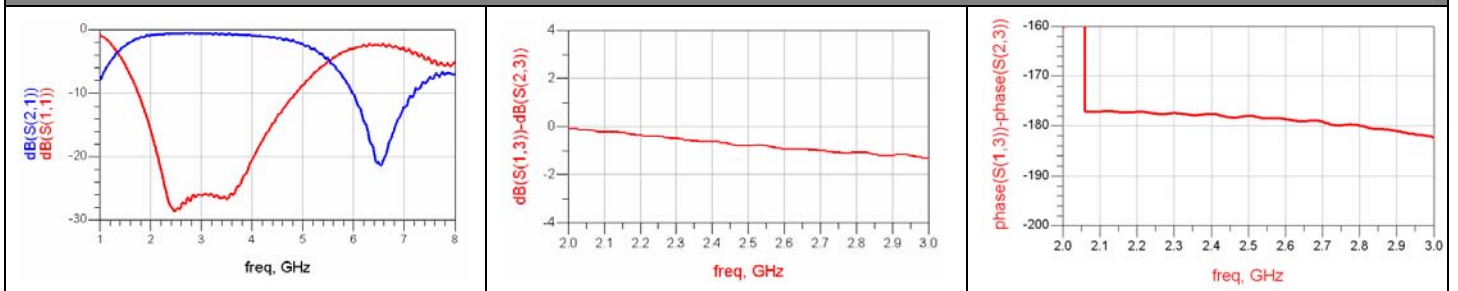
BLN-1005-245-100-A1



BLN-1608-245-50-A1



BLN-1608-245-100-A1



◆ Characteristics

Electrical Performance

BLN-2012-245-50-A1



BLN-2012-245-100-A1

