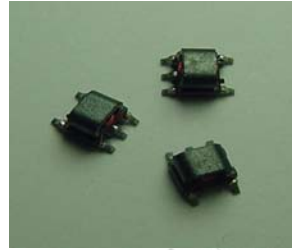


# SMD Balun Transformers

## Features

- The balun transformers are pair-wire wound coil with high stability.
- Design for auto-mounting onto PCB.



## Applications

- Double balanced mixer
- Frequency mixer
- Distributor
- Directional coupler
- Impedance transformers

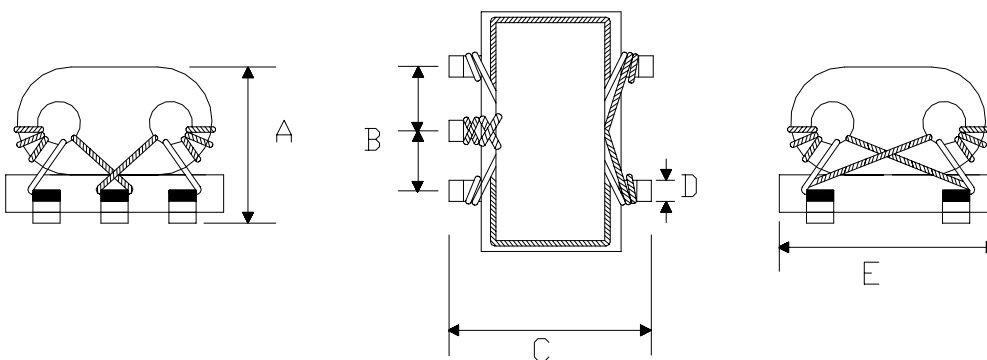
## Part Number Systems

**BL - 32 - 1010 - LF**

(1) (2) (3) (4)

(1)	Product series	(2)	Size
(3)	Series Number	(4)	ROHs Compliant

## Shape And Dimensions



Unit: mm

Type	A (Max)	B	C (Max)	D	E	F (Max)	G (Max)
BL-32	3.2	2.7	5.5	2.0	0.5 + 0.2/-0	4.4	4.4

# SMD Balun Transformers

BL-32-Series		ELECTRICAL CHARACTERISTICS			
	Part Number	Winding	Operating	Insertion Loss (dB) Max	Pin Connection
		Turns	Frequency		
Double Balanced Mixer	BL-32-1007-LF	2	25MHz ~ 2000MHz	3	1
	BL-32-1009-LF	3	6MHz ~ 2000MHz	3	
	BL-32-1006-LF	3	150MHz ~ 2300MHz	3	
	BL-32-1010-LF	4	3.5MHz ~ 2000MHz	3	
	BL-32-1018-LF	5	2MHz ~ 2000MHz	3	
Frequency Mixer	BL-32-1025-LF	1	---	3	2
	BL-32-1019-LF	2	8MHz ~ 750MHz	3	
	BL-32-1026-LF	3	3.5MHz ~ 700MHz	3	
Distributor	BL-32-1021-LF	1½	20MHz ~ 750MHz	3	3
	BL-32-1022-LF	2½	4.5MHz ~ 3300MHz	3	
	BL-32-1023-LF	3½	2.3MHz ~ 2700MHz	3	
	BL-32-1023-LF	4½	1.5MHz ~ 2400MHz	3	
Directional Coupler	BL-32-1079-LF	2	1.3GHz ~ 1.7GHz	In to Out – 1, 2 4.5 dB Max	4
	BL-32-1076-LF	3	20MHz ~ 600MHz	Out-1 to Out-2 (Isolation) 15 dB Min	

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

## Pin Connection

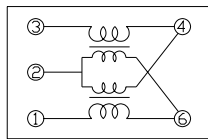


Fig. 1:  
Double Balanced Mixer

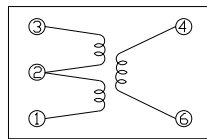


Fig. 2:  
Frequency Mixer

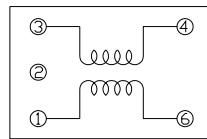


Fig. 3:  
Distributor

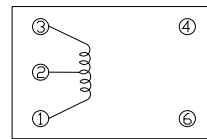


Fig. 4:  
Directional Coupler