

# Balun Transformers



**TOKO B4F**  
5.5 x 4.4 x 3.2mm Max.



**TOKO B5FL**  
6.9 x 6.9 x 3.6mm Max.



**TOKO B5F**  
6.9 x 6.9 x 4.4mm Max.

## Transformers for Double Balanced Mixers

Internal Connections	TOKO Type	Initial Core Permeability	Winding Turns			
			2 1/2 T x 4	3 1/2 T x 4	4 1/2 T x 4	5 1/2 T x 4
	B4F	300	#617DB-1673 50 ~ 1000 MHz	#617DB-1674 50 ~ 1000 MHz	#617DB-1675 10 ~ 1000 MHz	#617DB-1714 3 ~ 1000 MHz
	B5FL	300	#616DB-1196 5 ~ 500 MHz	#616DB-1197 5 ~ 500 MHz	#616DB-1198 5 ~ 500 MHz	
	B5F	300	#458DB-1614 10 ~ 860 MHz	#458DB-1615 3 ~ 860 MHz	#458DB-1616 3 ~ 700 MHz	

## Transformers for Frequency Mixers

Internal Connections	TOKO Type	Initial Core Permeability	Winding Turns			
			1-2=2-3=2T, 4-6=2T	1-2=2-3=3T, 4-6=3T	1-2=2-3=4T, 4-6=4T	1-2=2-3=5T, 4-6=5T
	B4F	300	#617PT-1667 10 ~ 500 MHz	#617PT-1669 10 ~ 500 MHz	#617PT-1699 10 ~ 100 MHz	#617PT-1664 5 ~ 100 MHz
	B5FL	300	#616PT-1201 10 ~ 300 MHz	#616PT-1202 5 ~ 100 MHz	#616PT-1203 5 ~ 100 MHz	
	B5F	300	#458PT-1619 10 ~ 100 MHz			
230			#458PT-1586 5 ~ 100 MHz	#458PT-1587 5 ~ 100 MHz	#458PT-1565 5 ~ 100 MHz	

## Balun Transformers

Internal Connections	TOKO Type	Initial Core Permeability	Winding Turns			
			2 1/2 T x 2	3 1/2 T x 2	4 1/2 T x 2	5 1/2 T x 2
	B4F	300	#617DB-1653 50 ~ 1000 MHz	#617DB-1654 10 ~ 1000 MHz	#617DB-1655 10 ~ 1000 MHz	#617DB-1724 5 ~ 1000 MHz
		1500	#617DB-1643 10 ~ 1000 MHz	#617DB-1644 3 ~ 1000 MHz	#617DB-1645 1 ~ 1000 MHz	#617DB-1646 1 ~ 1000 MHz
	B5FL	300	#616DB-1191 10 ~ 500 MHz	#616DB-1192 5 ~ 500 MHz	#616DB-1193 5 ~ 500 MHz	#616DB-1194 1 ~ 300 MHz

## Transformers for Distributors

Internal Connections	TOKO Type	Initial Core Permeability	Winding Turns	
			1-2=1T, 2-3=3T, 4-5=5-6=2T	1-2=1T, 2-3=4T, 4-5=5-6=3T
	B4F	300	#617DS-1676 100 ~ 1000 MHz	#617DS-1711 5 ~ 1000 MHz
		1500	#617DS-1727 5 ~ 1000 MHz	#617DS-1710 3 ~ 1000 MHz

## Splitters / Directional Couplers

Internal Connections	TOKO Type	Initial Core Permeability	Winding Turns			
			2-4=2-6=2 1/2 T	2-4=2-6=3 1/2 T	2-4=2-6=4 1/2 T	2-4=2-6=5 1/2 T
	B4F	300	#617PS-1660 10 ~ 1000 MHz	#617PS-1661 10 ~ 1000 MHz	#617PS-1662 10 ~ 1000 MHz	#617PS-1663 5 ~ 1000 MHz
	B5F	300		#458PS-1623 100 ~ 800 MHz	#458PS-1624 100 ~ 800 MHz	#458PS-1625 100 ~ 800 MHz

Typical operating frequency range is shown in **RED**. Please visit [www.tokoam.com](http://www.tokoam.com) for detailed specifications.



Information in this selection guide is for reference only. Detailed technical specifications available upon request. To reach your local sales office call 1-800-PIK-TOKO or visit our web site at [www.tokoam.com](http://www.tokoam.com)



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