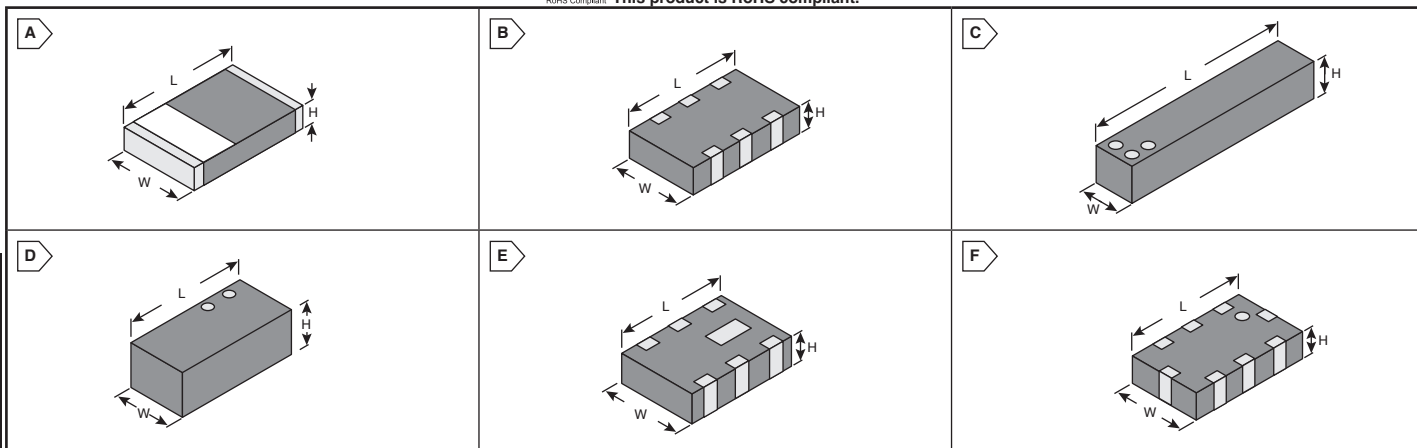


# WALSIN Antennas, Baluns, and Balance Filters



RoHS Compliant This product is RoHS compliant.



Signal Conditioning

Walsin

## BLUETOOTH/WLAN ANTENNAS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions: mm			Frequency Range	Polarization	Gain (Typ)	Impedance (Ω)	VSWR (Max)	Bandwidth	Price Each				
Mfr.	Mfr. Part No.		L	W	H							1	50	100	500	
<b>Chip 2.4GHz ISM Band</b>																
791	RFANT3216120A1T	A	3.20±0.20	1.60±0.10	1.20±0.10	2450 ± 50MHz	Linear	2dBi	50	2.0	150MHz	1.74	1.16	.798	.55	
791	RFANT3216120A3T	A	3.20±0.20	1.60±0.10	1.20±0.10	2450 ± 50MHz	Linear	2dBi	50	2.0	150MHz	1.74	1.16	.798	.55	
791	RFANT3216120A5T	A	3.20±0.20	1.60±0.10	1.20±0.10	2450 ± 50MHz	Linear	2dBi	50	2.0	150MHz	1.74	1.16	.798	.55	
791	RFANT5220110A0T	A	2.00±0.20	5.00±0.20	1.15±0.10	2.4~2.5GHz	Linear	2dBi	50	2.0	100MHz	2.28	1.52	1.05	.726	
791	RFANT5220110A2T	A	2.00±0.20	5.00±0.20	1.15±0.10	2.4~2.5GHz	Linear	2dBi	50	2.0	100MHz	2.28	1.52	1.05	.726	
791	RFANT9520120A0T	A	9.50±0.20	2.00±0.20	1.20±0.20	2.4~2.6GHz	Linear	2dBi	50	2.0	200MHz	2.28	1.52	1.05	.726	
<b>Chip 2.4/4.9/5.8GHz Multiband</b>																
791	RFANT6050110L0T	B	5.90±0.30	5.10±0.30	1.10±0.10	2.45GHz 5.25GHz 5.85GHz	Linear	1.5dBi 4.0dBi 4.0dBi	50	2.0	100MHz 200MHz 100MHz	4.16	2.77	1.91	1.32	
791	RFANT6050110L1T	B	5.90±0.30	5.10±0.30	1.10±0.10	2.45GHz 5.25GHz 5.85GHz	Linear	1.5dBi 4.0dBi 4.0dBi	50	2.0	100MHz 200MHz 100MHz	4.16	2.77	1.91	1.32	
<b>Free 2.4GHz ISM Band</b>																
791	RGFRA1903041A1T	C	1.90±0.15	3.00±0.15	3.80±0.20	2.45GHz	Linear	2dBi	50	2.0	200MHz	5.55	3.70	2.55	1.76	
791	RGFRA9937380A3T	D	9.90±0.15	3.70±0.15	3.80±0.20	2.55GHz	Linear	2dBi	50	2.0	100MHz	4.44	2.96	2.04	1.41	

## HIGH FREQUENCY BALUNS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions: mm			Frequency Range	Impedance (Ω)		Return Loss (dB) (Min)	Inband Amplitude Imbalance (dB)	Phase Difference	Insertion Loss (dB)	Price Each			
Mfr.	Mfr. Part No.		L	W	H		Unbalanced	Balanced					1	50	100	500
<b>2.4GHz ISM Band</b>																
791	RGBLN1608070A1T	E	1.60±0.10	0.85±0.10	0.70±0.10	2450±50MHz	50	100	10	2.0	180°±15°	1.5	.83	.555	.383	.264
791	RGBLN1608070A5T	E	1.60±0.10	0.85±0.10	0.70±0.10	2450±50MHz	50	100	10	2.0	180°±10°	1.2	.83	.555	.383	.264
791	RFBLN2012090A0T	E	2.00±0.15	1.25±0.15	0.95±0.10	2450±50MHz	50	50	10	2.0	180°±10°	1.2	.83	.555	.383	.264
791	RFBLN2012090A1T	E	2.00±0.15	1.25±0.15	0.95±0.10	2450±50MHz	50	100	10	2.0	180°±10°	1.0	.83	.555	.383	.264
791	RFBLN2012090A2T	E	2.00±0.15	1.25±0.15	0.95±0.10	2450±50MHz	50	200	10	2.0	180°±10°	1.0	1.11	.74	.51	.352
<b>5.2/5.8GHz ISM Dualband</b>																
791	RFBLN2012090K1T	E	2.00±0.15	1.25±0.15	0.95±0.10	5400±500MHz	50	100	-10	2.0	180°±10°	-1.2	.83	.555	.383	.264

## HIGH FREQUENCY BALANCE FILTERS, 2.4GHZ ISM BAND

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions: mm			Frequency Range	Insertion Loss (dB)	Impedance (Ω)		Phase Difference	Amplitude Difference (dB)	Attenuation (dB) (Min)	Price Each			
Mfr.	Mfr. Part No.		L	W	H			Unbalanced	Balanced				1	50	100	500
791	RFBPB2012090A1T	F	2.00±0.15	1.25±0.15	0.90±0.10	2450 50MHz	3.5dB	50	Match BC series	180°±10°	2.0	35 @880-960MHz 30 @1710-1880MHz 20 @1880-1990MHz 30 @4800-5000MHz	1.74	1.16	.798	.55
791	RFBPB2012090A3T	F	2.00±0.15	1.25±0.15	0.90±0.10	2450 50MHz	3.5dB	50	Match BC series	180°±10°	2.0	35 @880-960MHz 30 @1710-1880MHz 20 @1880-1990MHz 30 @4800-5000MHz	1.74	1.16	.798	.55
791	RFBPB2012090A9T	F	2.00±0.15	1.25±0.15	0.90±0.10	2450 50MHz	2.8dB	50	Match BC series	180°±10°	2.0	35 @880-960MHz 25 @1710-1880MHz 30 @4800-5000MHz	1.74	1.16	.798	.55
791	RFBPB2012110A5T	F	2.00±0.15	1.25±0.15	1.10±0.10	2450 50MHz	2.8dB	50	Match BC series	180°±10°	2.0	30 @880-960MHz 30 @1710-1880MHz 20 @1880-1990MHz 30 @4800-5000MHz	1.74	1.16	.798	.55