

RF DEVICES & HIGH FREQUENCY INDUCTORS

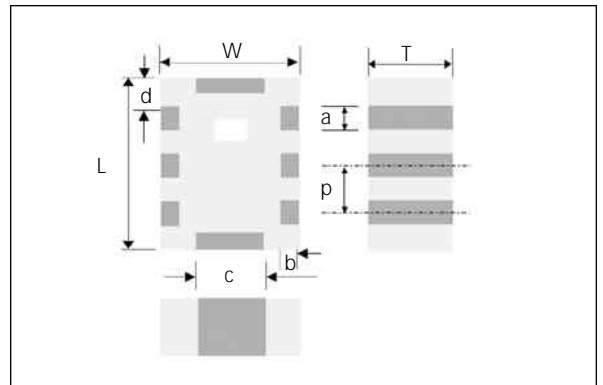
2.4 GHz High Frequency Devices-Balanced Filter-RFBPB2520120A1/A2T

How to Order

RF	BPB	252012	0	A	1	T
<u>Walsin</u>	<u>Product code</u>	<u>Dimension code</u>	<u>Unit of dimension</u>	<u>Application</u>	<u>Specification</u>	<u>Packing</u>
RF Device	BPB : Balanced Type Band Pass Filter	Per 2 digits of Length, Width, Thickness : e.g. : 252012 = Length 25, Width 20, Thickness 12	0: 0.1 mm 1: 1.0 mm	A: 2.4GHZ ISM Band	Code from 0 ~ 9 dependent on different electrical specification	T: 7" Reeled G: 10" Reeled B: Bulk X: SFC product

Dimensions

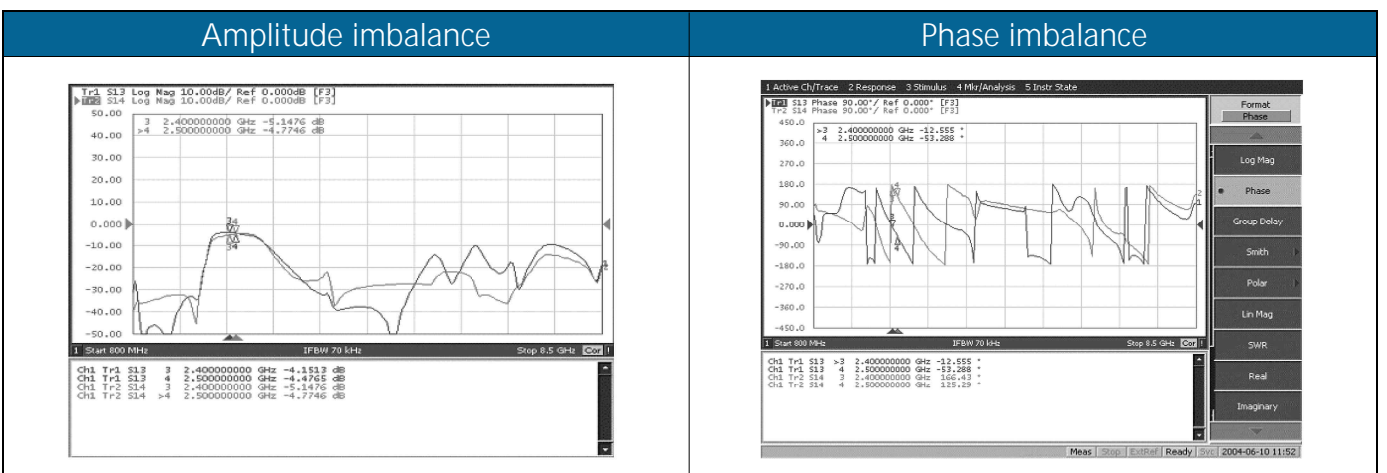
Symbol	Dimension
L	2.50±0.2 /- 0.10
W	2.00±0.2/ - 0.10
T	1.20 ± 0.1/ -0.20
a	0.30 ± 0.10
b	0.30 ± 0.10
c	1.00 ± 0.10
d	0.30 ± 0.20
P	0.80 ± 0.20



RFBPB2520120A1/A2T Series

Item	Specification	
	RFBPB2520120AIT	RFBPB2520120A2T
Frequency range (MHz)	2450 ± 50	2450 ± 50
Insertion Loss (dB)	2.0 max	2.2 max
VSWR	2.0 max	2.0 max
Impedance (Unbalanced)	50	50
Impedance (Balanced)	100	100
Phase Difference	180° ± 10°	180° ± 10°
Amplitude Difference	1.2 dB max	1.4 dB max
Attenuation (dB min.)	25 @ 900MHz 25 @ 1900 MHz 30 @ 4800 MHz 20 @ 7200 MHz (reference)	25 @ 900MHz 25 @ 1900 MHz 30 @ 4800 MHz 15 @ 7200 MHz (reference)

Type Electrical Characteristics(RFBPB2520120A1T):



HIGH FREQUENCY INDUCTORS & RF DEVICES

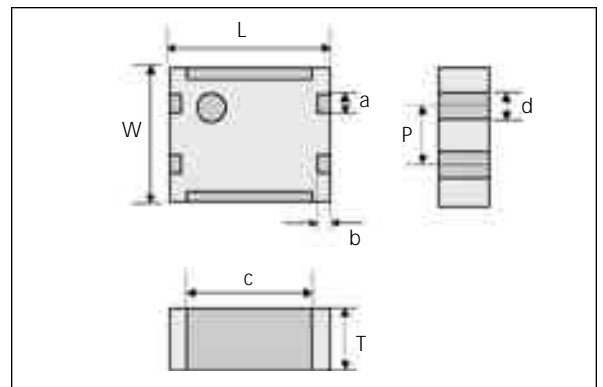
2.4 GHz High Frequency Devices-Balanced Filter - RFBPB2520120A3T

How to Order

RF	BPB	252012	0	A	3	T
Walsin	Product code	Dimension code	Unit of dimension	Application	Specification	Packing
RF Device	BPB : Balanced Type Band Pass Filter	Per 2 digits of Length, Width, Thickness : e.g. : 252012 = Length 25, Width 20, Thickness 12	0: 0.1 mm 1: 1.0 mm	A: 2.4GHZ ISM Band	Code from 0 ~ 9 dependent on different electrical specification	T: 7" Reeled G: 10" Reeled B: Bulk X: SFC product

Dimensions

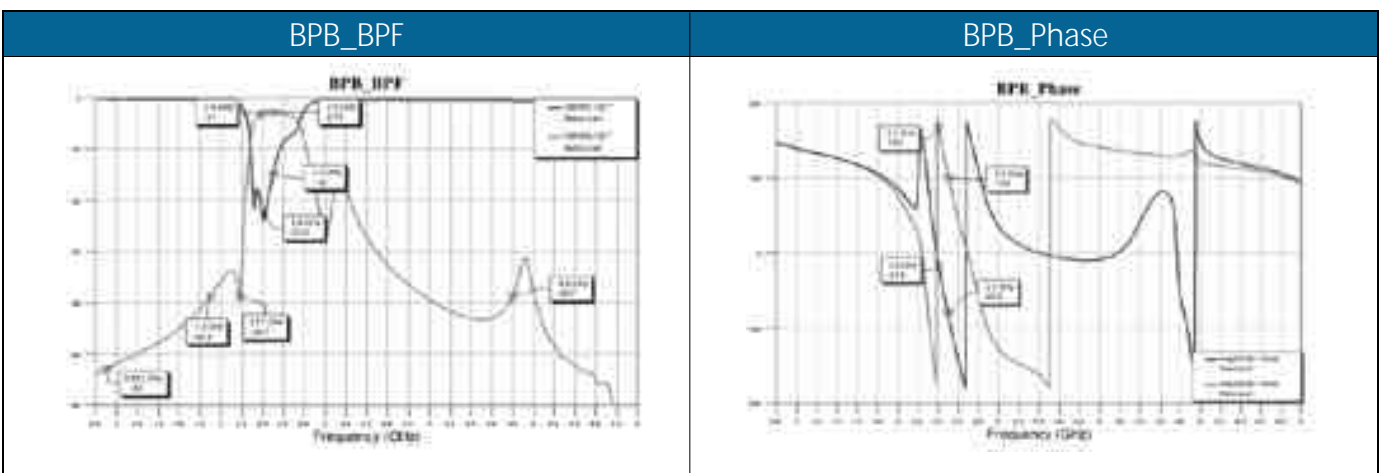
Symbol	Dimension
L	2.50 ± 0.20
W	2.00 ± 0.20
T	Max 1.20
a	0.30 ± 0.10
b	0.25 ± 0.10
c	1.83 ± 0.10
d	0.40 ± 0.10
P	0.80 ± 0.20



RFBPB2520120A3T Series

Item	Specification
Frequency range (MHz)	2450 ± 50
Insertion Loss (dB)	3.5 dB Max
VSWR	2.0 Max
Impedance (Unbalanced)	50
Impedance (Balanced)	Match to BC series of Bluetooth chipset
Phase Difference	180° ± 10°
Amplitude Difference	1.5 dB Max
Attenuation (dB min.)	45 dB @ 900MHz 35 dB @ 1900MHz 25 dB @ 2170MHz 30 dB @ 4800MHz

Type Electrical Characteristics:



HIGH FREQUENCY INDUCTORS & RF DEVICES

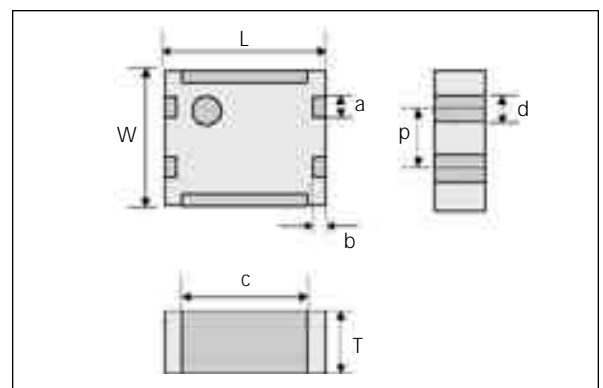
2.4 GHz High Frequency Devices-Balanced Filter - RFBPB2520120A4T

How to Order

RF	BPB	252012	0	A	4	T
Walsin	Product code	Dimension code	Unit of dimension	Application	Specification	Packing
RF Device	BPB : Balanced Type Band Pass Filter	Per 2 digits of Length, Width, Thickness : e.g. : 252012 = Length 25, Width 20, Thickness 12	0: 0.1 mm 1: 1.0 mm	A: 2.4GHZ ISM Band	Code from 0 ~ 9 dependent on different electrical specification	T: 7" Reeled G: 10" Reeled B: Bulk X: SFC product

Dimensions

Symbol	Dimension
L	2.50 ± 0.20
W	2.00 ± 0.20
T	Max 1.20
a	0.30 ± 0.10
b	0.25 ± 0.10
c	1.83 ± 0.10
d	0.40 ± 0.10
P	0.80 ± 0.20



RFBPB2520120A4T Series

Item	Specification
Frequency range (MHz)	2450 ± 50
Insertion Loss (dB)	4.5dB Max
Return Loss	-8.0dB Max
Impedance (Unbalanced)	50
Impedance (Balanced)	Match to BC series of Bluetooth chipset
Phase Difference	180° ± 15°
Amplitude Difference	1.8dB Max
Attenuation (dB min.)	45dB @ 900MHz 30dB @ 1900MHz 25dB @ 2170MHz 30dB @ 4800MHz

Type Electrical Characteristics:

