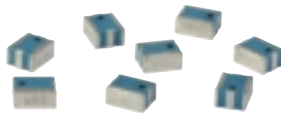


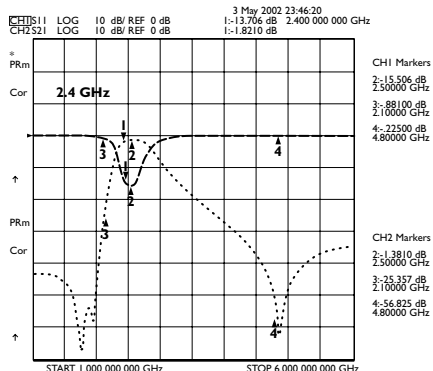
YAGEO's PHYCOMP-BRANDED LTCC COMPONENTS
for 2.4 GHz and 5 GHz applications

2.4 GHz 3225 BPF	5 GHz 2012 BPF
3216 BPF	2012 balun
2520 BPF	1608 balun
2012 BPF	1608 LPF
2012 balun	
1608 balun	2.4 GHz/5 GHz
2012 LPF	2012 diplexer

MULTILAYER CERAMIC BAND-PASS FILTERS (BPF)
For 2.4 GHz WLAN/BLUETOOTH APPLICATIONS



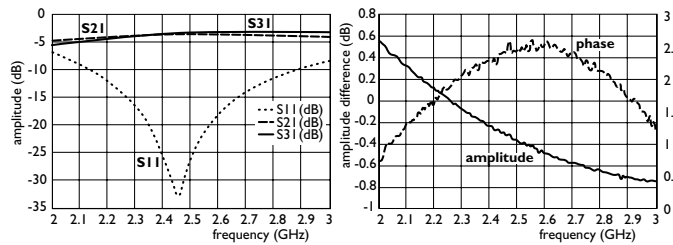
Yageo's 3225 2.4 GHz BPF provides excellent (2.0 dB) pass band insertion loss and high rejection at lower stop band and 2nd harmonic band.



MULTILAYER CERAMIC BALUN for 2.4 GHz
WLAN/BLUETOOTH APPLICATIONS



Good amplitude and phase balance properties and unbalanced-port (50 Ω) to balanced-port transform of 50, 100 or 200 Ω available.



SPECIFICATIONS 2.4 GHz 2012 BALUN

2.4 GHz 2012 balun for WLAN/Bluetooth	
Frequency range	2400~2500 MHz
Unbalanced impedance	50 Ω
Balanced impedance	50 Ω, 100 Ω, 200 Ω
Insertion loss	1.0 dB (max.)
VSWR	2.0 (max.)
Phase difference	180 ± 10°
Amplitude difference	2 dB (max.)
Dimensions	2.0x1.25x0.85 mm

MINIATURIZED 2.4 GHz 3216/2520 BPF and
5 GHz 2012 BPF/BALUN
For COMPACT APPLICATIONS



Small and low profile 3216 and 2520 BPFs meet emerging compact applications such as CF cards, WLAN/Bluetooth dongles and modules.

SPECIFICATIONS 3216/2520/2012 BPF

2.4 GHz 3216 BPF for WLAN/Bluetooth	
Frequency range	2400~2500 MHz
Insertion loss	2.5 dB (max.)
VSWR	2.0 (max.)
Attenuation	30dB min.@1960 MHz 40dB min.@4900 MHz
Dimension	3.2x1.6x1.3 mm

2.4 GHz 2520 BPF for WLAN/Bluetooth	
Frequency range	2400~2500 MHz
Insertion loss	2.0 dB (max.)
VSWR	1.8 (max.)
Attenuation	40dB min.@1960 MHz 20dB min.@2100 MHz 30dB min.@4900 MHz
Dimensions	2.5x2.0x0.95 mm

5 GHz 2012 BPF for WLAN	
Frequency range	5150~5875 MHz
Insertion loss	2.8 dB (max.)
VSWR	2.0 (max.)
Attenuation	35dB min.@2000~4000 MHz 20dB min.@4600 MHz 30dB min.@10300~11650 MHz
Dimensions	2.0x1.25x0.85 mm

SPECIFICATIONS 2.4 GHz 3225 BPF

2.4 GHz 3225 BPF for WLAN/Bluetooth	
Frequency range	2400~2500 MHz
Insertion loss	2.0 dB (max.)
Ripple	0.6 dB (max.)
VSWR	1.8 (max.)
Attenuation	40 dB min.@1960 MHz 20 dB min.@2100 MHz 30 dB min.@4900 MHz
Dimensions	3.2x2.5x1.5 mm

SPECIFICATIONS 3216/2520/2012 BPF

5 GHz 2012 balun for WLAN	
Frequency range	5150~5875 MHz
Unbalanced impedance	50 Ω
Balanced impedance	100 Ω
Insertion loss	1.0 dB (max.)
VSWR	2.0 (max.)
Phase difference	180 ± 10°
Amplitude difference	2 dB (max.)
Dimensions	2.0x1.25x0.85 mm

CUSTOMER SUPPORT

Ordering information can be found in our data sheets available on our Internet site at: www.yageo.com or they may be ordered from one of the contacts on the back of this leaflet.

CUSTOMER SUPPORT

Yageo is a leading manufacturer and supplier to major areas of the electronic equipment industries—supplying multilayer ceramic capacitors, resistors, arrays, e-caps plus specially designed HF products such as Bluetooth™ antennas, filters and inductors.

We bring to the market a proven innovative tradition and a commitment to service second to none.

Our sales offices are strategically located to serve our customers worldwide and our international network of distribution centers guarantees speedy, reliable component delivery anywhere in the world.

We support our customers with extensive literature including Data Sheets and Application Notes, which are also available electronically on our Internet site at: www.yageo.com.

In addition, our application engineers constantly strive wherever possible, to work closely with customers to aid them with design-in and provide them with the support they need to remain competitive in their markets.

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