FULL RANGE ANTENNAS FOR TOTAL SOLUTIONS

Yageo's Phycomp-branded antenna series offers a broad range of frequencies meeting the diverse requirements of today's wireless communication systems. The series features antennas dedicated to specific application areas and frequency bands to provide system manufacturers with the perfect solutions for optimizing their designs in terms of RF performance, quality and cost, and for reducing their R&D effort. What's more, Yageo's worldwide logistics guarantees reliable delivery to meet all their production needs.

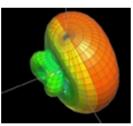
The series includes antennas for 433 MHz, 870 MHz ISM applications, I.575 GHz GPS, GSM/DCS/GPRS dual/triple-band applications, I.88 GHz DECT, 2 GHz WCDMA, Bluetooth/WLAN IEEE802.11b ISM, 5 GHz applications as well as state-of-the-art dual-band 2.4/5 GHz ceramic antennas and FR4 antennas.

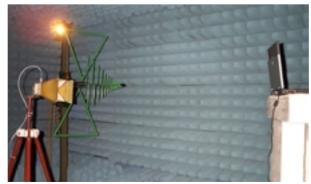
ANTENNA BENEFITS

- Full frequency ranges: covering 433 MHz up to 6 GHz applications
- Environment friendly: thanks to the use of waterbased ceramics and lead-free terminations meeting global environmental regulations
- Broad choice: selection of pre-matched 'plug-and-go' antennas available to reduce customer R&D effort
- Application support: full data on antennas provided free-of-charge to aid design-in. Other application support may include field testing
- Varieties and customization: for easy implementation of all kinds of wireless modules, Yageo also supplies non-ceramic materials such as FR4, metal strip, and coaxial/mini-connectors. Customized antennas can also be supplied to special order.

APPLICATIONS

- Bluetooth 2.4 GHz applications, e.g. in PDA, notebooks, Webpads, tablet PCs, wireless earphones, USB dongles, PC cards, CF cards, automobile audio controls, and remote wireless control devices.
- IEEE 802.11b/g/a WLAN applications in notebooks, PDAs, Webpads, tablet PCs. Dual band WLAN for 2.4/5 GHz modules, PCMCIA, USB dongle and CF cards.
- Global Positioning System (GPS) 1.575 GHz for car navigation, PDA CF cards, and handheld devices.
- GSM/DCS mobile phones, and wireless modules.
- 433 MHz, 870 MHz ISM systems for remote control, wireless communication.





Graph showing antenna RF simulation and technical supports measuring in Anechoic chamber

ANTENNA RANGE

Frequency	Ceramic	PCB with cable/connector	РСВ
433 MHz	Х		
460 MHz	Х		
490 MHz	Х		
870 MHz	Х		
900 MHz	Х		
1.575 GHz 12*12	Х		
1.575 GHz 18*18	Х		
I.88 GHz	Х		
0.9/1.8 GHz	Х	Х	Х
0.9/1.8/1.9 GHz		X	Х
2 GHz	Х		
2.3 GHz	Х		
2.45 GHz	Х	X	Х
2.6 GHz	Х		
2.7 GHz	Х		
2.8 GHz	Х		
2.9 GHz	Х		
5.2 GHz	Х		
2.4/5.2 GHz	Х	Х	
2.4/5 GHz		Х	

QUICK DATA

Description	Antenna
Sectional specifications	IEC 60384-10
Bandwidth	>100 MHz. >10 MHz
Product format	Ceramics LTCC
	Ceramic Bulk Forming
	PCB with cable/connector
	(RG178 or mini-coaxial)
	PCB
Temperature range	-55 °C to 125 °C
Radiation pattern	Omi-directional
Impedance	50 Ω

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.

YAGEO - A GLOBAL COMPANY

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High Frequency Antenna