

Monopole Antenna: GPS, BT, WLAN, WiFi

Ceramic Chip Antenna (ground cleared under antenna). Pulse Part Number: W3043



Features

- Multipurpose for various frequency applications
- Compact size W x L x H (3.2 x 1.6 x 1.1 mm)
- Low weight (33 mg)
- Fully SMD compatible
- Lead free soldering compatible
- Tape and reel packing
- RoHS Compliant Product

Applications

- GPS
- Bluetooth, WLAN, WiFi
- IEEE 802.11b/g
- ZigBee IEEE 802.15.4
- 2.4 GHz WLAN
- 2.4 GHz ISM Band Systems

Electrical specifications @ +25 °C

Note: Electrical characteristics depend on test board (GP) size and antenna positioning on GP and Ground Clearance area size.

GPS: W3043

Typical performance (test board size 37x20 mm, PWB ground clearance area 17 x 20 mm)

Frequency Range [MHz]	Max Gain [dBi]	Efficiency [%] / [dB]	Return loss min. [dB]	Impedance [Ω]	Operating Temperature [°C]
1575.42	+0.35	43 / -3.67	-15	50	-40 to +85

Bluetooth, WLAN, WiFi, 2.4GHz: W3043

Typical performance (test board size 37x20 mm, PWB ground clearance area 17 x 20 mm)

Frequency Range [MHz]	Linear Max Gain [dBi]	Efficiency [%] / [dB]	Return loss min. [dB]	Impedance [Ω]	Operating Temperature [°C]
2400–2483.5	+4	70 / -1.55	-12	50	-40 to +85

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