

# 868MHz Ceramic Chip Antenna

Ground cleared under antenna, clearance area 11.50 mm x 7 mm. Pulse Part Number: W3016



## Features

- Low profile
- Compact size W x L x H (10 x 3.2 x 4 mm)
- Low weight (600 mg)
- Lead free materials
- Fully SMD compatible
- Lead free soldering compatible
- Tape and reel packing
- RoHS Compliant Product

## Applications

- 868MHz radios

## Electrical specifications @ +25 °C

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

## W3016 868MHz

Typical performance (test board size 25 x 25 mm, PWB ground clearance area 11.50 x 7 mm) 6.8nH and 22nH series inductors used for frequency tuning and 6.8nH shunt inductor used for impedance matching.

Frequency Range [MHz]	3D Max Gain [dBi]	3D Efficiency [%] / [dB]	Return loss min. [dB]	Impedance [ $\Omega$ ]	Operating Temperature [°C]
844 - 904	-2.2 (peak) -4.2 (band edges)	24 / -6.1 (peak) 17 / -7.7 (band edges)	-15	50	-40 to +85

## Pulse Finland Oy

Takatie 6  
90440 Kempele, Finland  
Tel: +358 207 935 500  
Fax: +358 207 935 501

[www.pulseeng.com/antennas](http://www.pulseeng.com/antennas)

