

# 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)<br>-4.2 (band edges) | 24 / -6.1 (peak)<br>17 / -7.7 (band edges) | -15                   | 50                     | -40 to +85                 |

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