



Inventek Systems

Embedding Connectivity Everywhere

Inventek Systems

OEM 2.4 Ghz SMA Wi-Fi Antennas



Table of Contents




| | | |
|-----|--|----------|
| 1 | GENERAL DESCRIPTION..... | 3 |
| 2 | PART NUMBER DETAIL DESCRIPTION..... | 3 |
| | Ordering Information..... | 3 |
| 3 | GENERAL FEATURES..... | 3 |
| 3.1 | Environmental Specifications..... | 4 |
| 4 | Product Compliance Considerations..... | 4 |
| 5 | REVISION CONTROL..... | 4 |
| 6 | CONTACT INFORMATION..... | 4 |

1 GENERAL DESCRIPTION

The [Inventek](#) 2400-2500 Mhz Wi-Fi antennas let you integrate Wi-Fi functionality into your product quickly and easily. It's suitable for a wide range of applications and recommended for use with Inventek EZ-Wi-Fi family.

2 PART NUMBER DETAIL DESCRIPTION

Ordering Information

| Device | Description | Ordering Number |
|---|--|-----------------|
| W24-SSMA-M  | 2400-2500 Mhz Wi-Fi antenna Form SMA (Male) (50 mm in length) | W24-SSMA-M |
| W24-RSMA  | 2400-2500 Mhz Wi-Fi antenna Form Right Angle SMA (Male) (46.46mm in length) | W24-RSMA-M |
| W24-ASMA-M  | 2400-2500 Mhz Wi-Fi antenna Form Adjustable SMA (Male) (66 mm in length) | W24-ASMA-M |

3 GENERAL FEATURES

Frequency (MHz) : 2400-2500
VSWR \leq 1.5
Gain (dBi) : 2.15
Return Loss (dBi) : 17
power (W) : 50
Input Impedance (Ω) : 50
Antenna Length mm : 50

3.1 Environmental Specifications

| Item | Description |
|----------------------------|---------------------------|
| Operating temperature rang | -40 deg. C to +80 deg. C |
| Storage temperature range | -55 deg. C to +100 deg. C |
| Humidity | 95% max non-condensing |

4 Product Compliance Considerations

RoHS: Restriction of Hazardous Substances (RoHS) directive has come into force since 1st July 2006 all electronic products sold in the EU must be free of hazardous materials, such as lead.

5 REVISION CONTROL

| | |
|----------------------------|-------------------|
| Document : W24-S/R/A SMA-M | GPS module |
| Internal Release | DOC-DS-200031-1.2 |

| Date | Author | Revision | Comment |
|-----------|--------|----------|--------------|
| 11/6/2011 | FMT | 1.0 | Preliminary |
| 10/3/2012 | FMT | 1.1 | Logo Change |
| 12/9/2013 | FMT | 1.2 | Added Length |

6 CONTACT INFORMATION

Inventek Systems
2 Republic Road
Billerica Ma, 01862
Tel: 978-667-1962
Sales@inventeksys.com

www.inventeksys.com

Inventek Systems reserves the right to make changes without further notice to any products or data herein to improve reliability, function, or design. The information contained within is believed to be accurate and reliable. However Inventek Systems does not assume any liability arising out of the application or use of this information, nor the application or use of any product or circuit described herein, neither does it convey any license under its patent rights nor the rights of others.