

Series: Stick Antenna

**Description:**

433MHz Swivel Stick Dipole – SMA-M

**PART NUMBER: W1076**

**Features:**

- Frequency 430-435MHz
- Gain -4dBi
- Length 108mm (straight)
- Connector SMA-Male
- IP40
- RoHS Compliant

**Applications:**

- 433MHz ISM band radios
- Indoor use
- Remote controls
- Surveillance, Monitoring
- Industry automation
- IoT



All dimensions are in mm / inches

Issue: 1850

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

For more information:

Pulse Worldwide Headquarters  
15255 Innovation Drive #100  
San Diego, CA 92128  
USA  
Tel: 1-858-674-8100

Pulse/Larsen Antennas  
18110 SE 34<sup>th</sup> St Bldg 2 Suite 250  
Vancouver, WA 98683  
USA  
Tel: 1-360-944-7551

Europe Headquarters  
Pulse GmbH & Do, KG  
Zeppelinstrasse 15  
Herrenberg, Germany  
Tel: 49 7032 7806 0

Pulse (Suzhou) Wireless Products Co, Inc.  
99 Huo Ju Road(#29 Bldg,4<sup>th</sup> Phase  
Suzhou New District  
Jiangsu Province, Suzhou 215009 PR China  
Tel: 86 512 6807 9998



**Series:** Stick Antenna

**Description:**

433MHz Swivel Stick Dipole – SMA-M

**PART NUMBER: W1076**

**ELECTRICAL SPECIFICATIONS**

Antenna Type	Dipole
Frequency	430-435MHz
Nominal Impedance	50 Ω
VSWR	1.5:1(MAX)
Radiation Pattern	Omni
Gain	-4dBi(Min)
Efficiency	15%(Min)
Polarization	Vertical
Power Withstanding	5W

**MECHANICAL SPECIFICATIONS**

Overall Length	108 mm
Weight	8.84 g
Antenna Color	Black
Connector type	SMA Male

**ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature	-40 ~ +85° C
Storage Temperature	-40 ~ +85° C
Ingress Protection	IP40
RoHS Compliant	Yes

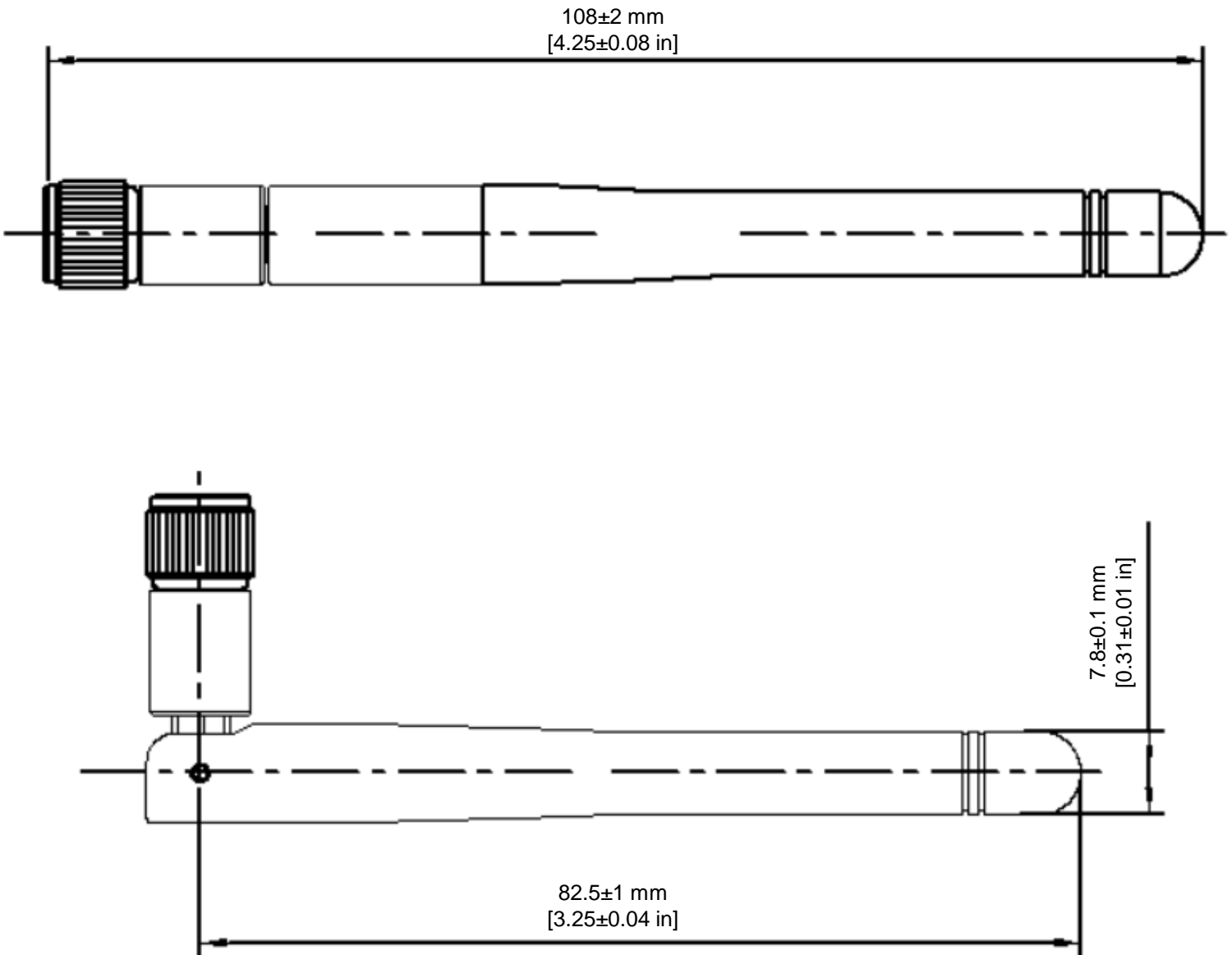
**Description:**

433MHz Swivel Stick Dipole – SMA-M

**Series:** Stick Antenna

**PART NUMBER: W1076**

**MECHANICAL DRAWING**



Issue: 1850

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

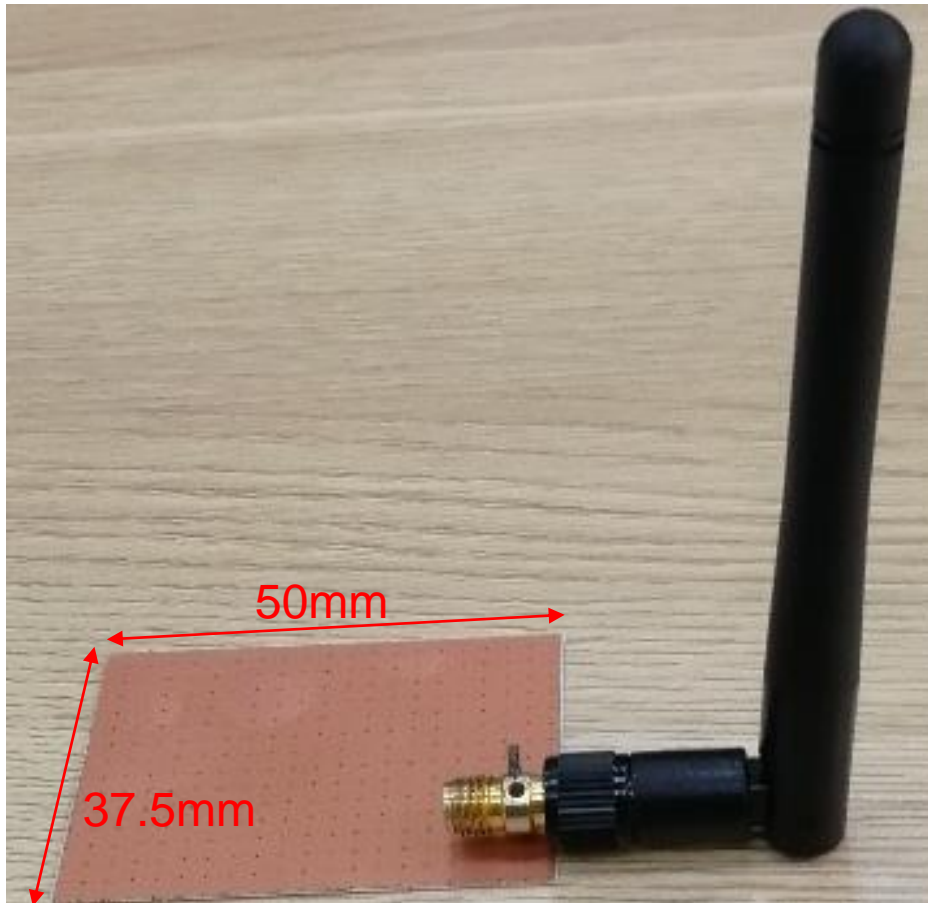
Series: Stick Antenna

**Description:**

433MHz Swivel Stick Dipole – SMA-M

**PART NUMBER: W1076**

**TEST SETUP**



Test with a 37.5mm\*50mm ground plane in free space.

Series: Stick Antenna

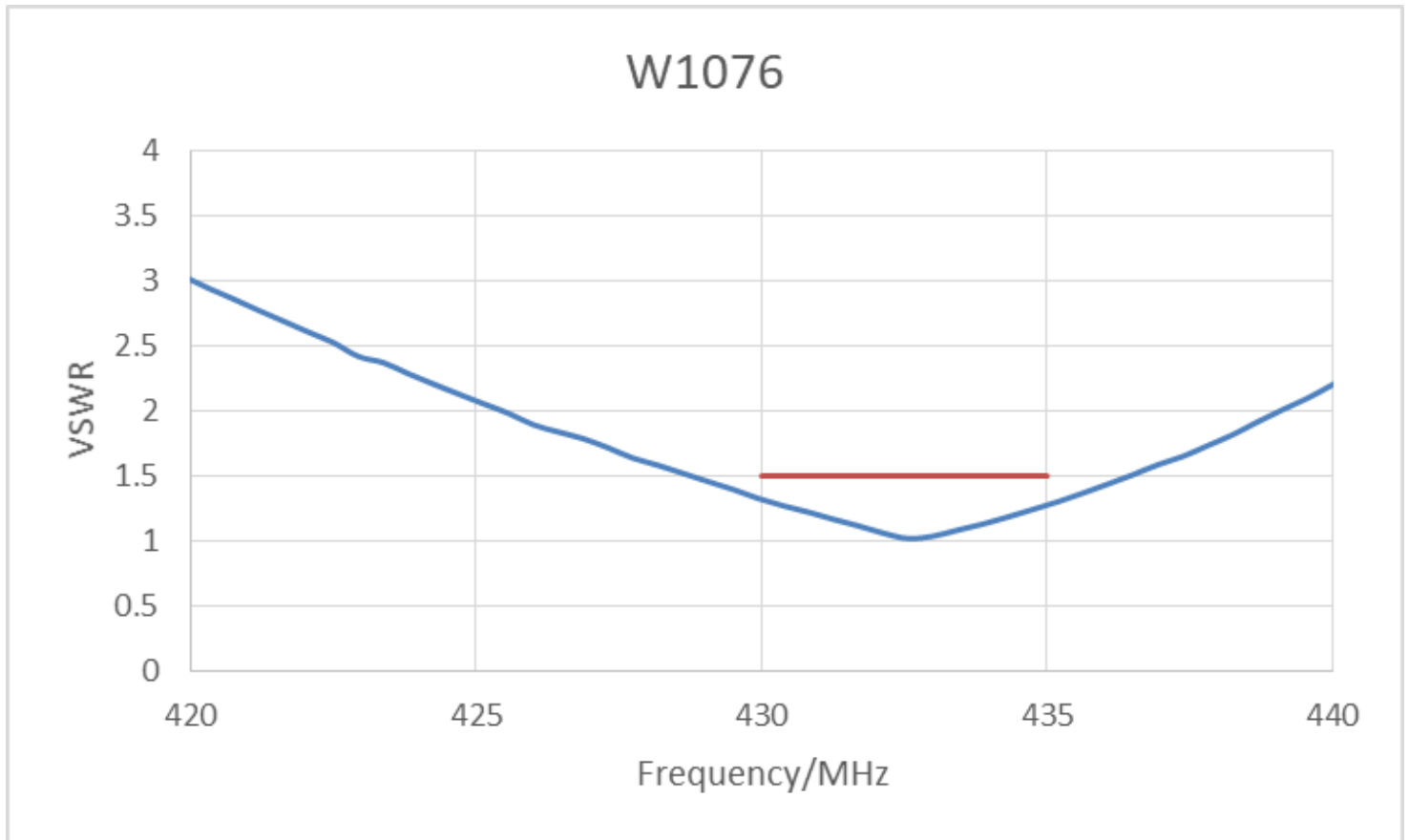
Description:

433MHz Swivel Stick Dipole – SMA-M

PART NUMBER: **W1076**

CHARTS

VSWR vs Frequency



Issue: 1850

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Series: Stick Antenna

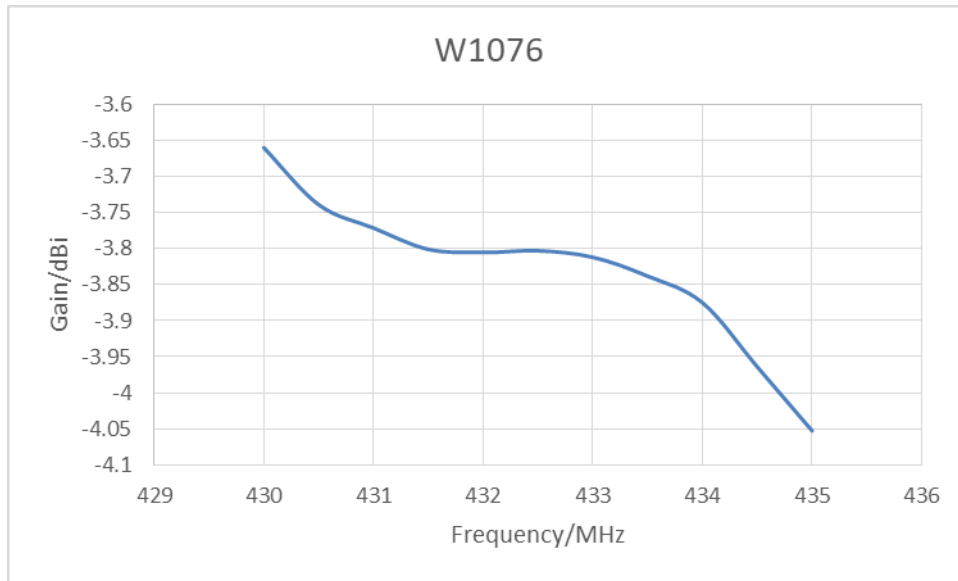
Description:

433MHz Swivel Stick Dipole – SMA-M

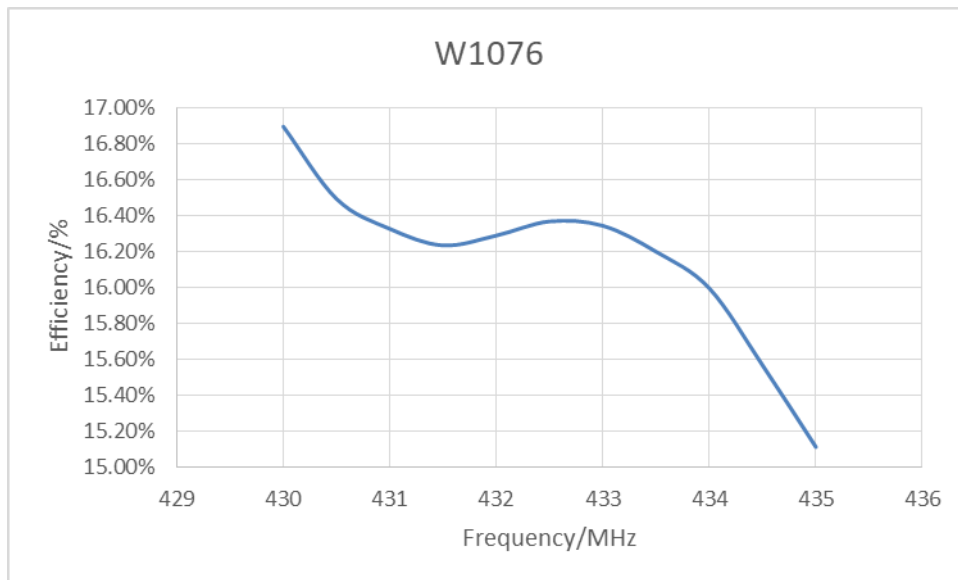
**PART NUMBER: W1076**

**CHARTS**

**Peak Gain**



**Radiation Efficiency**



Issue: 1850

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Description:

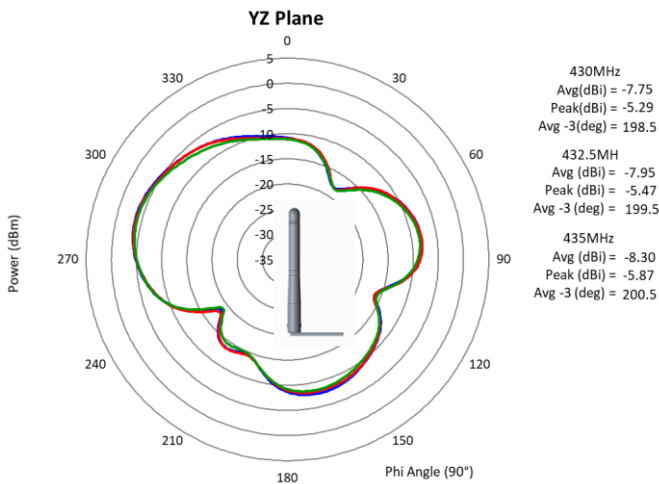
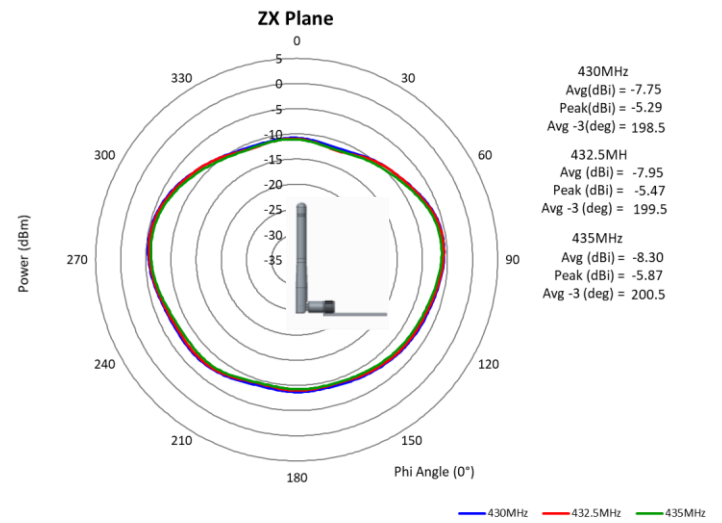
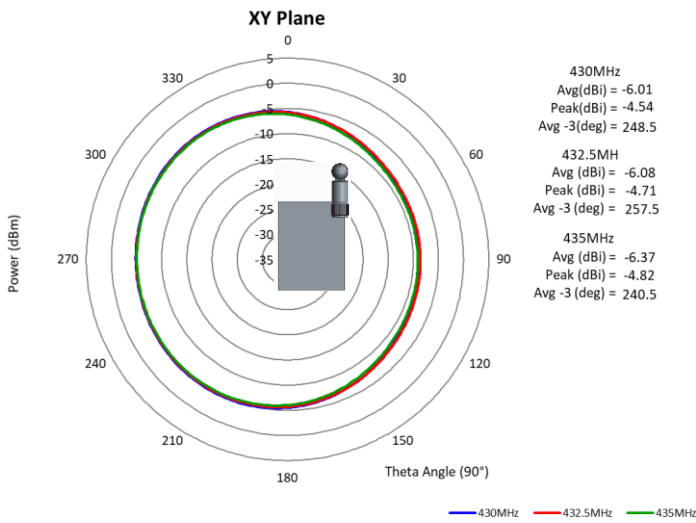
433MHz Swivel Stick Dipole – SMA-M

PART NUMBER: W1076

Series: Stick Antenna

CHARTS

Radiation Pattern 2D



Issue: 1850

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

**Series:** Stick Antenna

**Description:**

433MHz Swivel Stick Dipole – SMA-M

**PART NUMBER: W1076**

**PACKAGING**

25PCS / PE Bag, 1000PCS / Box

Issue: 1850

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.