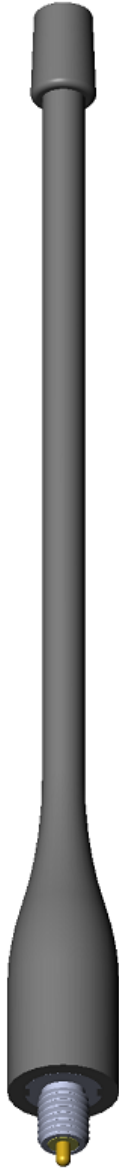


Description: 1/2 WAVE END FED

Series: Portables

PART NUMBER: SPEN14918HD



Features:

- 890 – 960 MHz
- Omnidirectional antenna
- Gain 1 dBi
- Polarization Vertical
- Connector M7 X 1.00
- Length 155.7 mm
- IP67

Applications:

- 890-960 Portable radios
- Handheld radios
- Public safety
- First responders
- RoHS Compliant

Issue:1712

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

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Pulse (Suzhou) Wireless Products Co, Inc.
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Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998



Description: 1/2 WAVE END FED

Series: Portables

PART NUMBER: SPEN14918HD

ELECTRICAL SPECIFICATIONS

Antenna Type	Half wave, End fed
Frequency	890-960 MHz
Nominal Impedance	50 Ω
VSWR	2:1
Radiation Pattern	Omni
HPBW Vertical Plane	80°
Gain	1 dBi
Efficiency	70 %
Polarization	Vertical
Power Withstanding	7 W

MECHANICAL SPECIFICATIONS

Overall Length	155.7 mm
Weight	22 g
Antenna Color / Material	Black / TPU (TEXIN 245)
Connector type	M7 X 1.00 – Flush base (MD Type)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 to +85° C
Ingress Protection	IP67
RoHS Compliant	Yes

OTHER SPECIFICATIONS

Issue:1712

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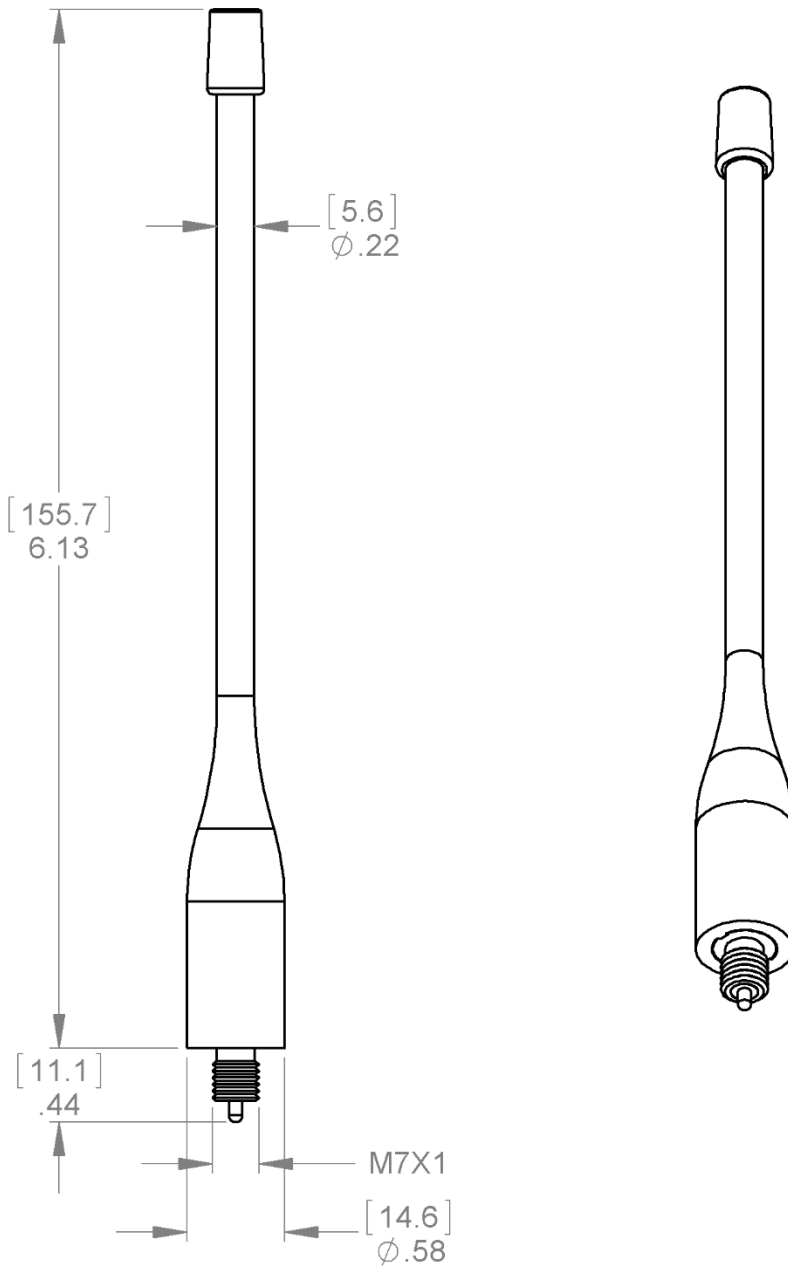
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Description: 1/2 WAVE END FED

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MECHANICAL DRAWING



All dimensions are in mm / inches

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Description: 1/2 WAVE END FED

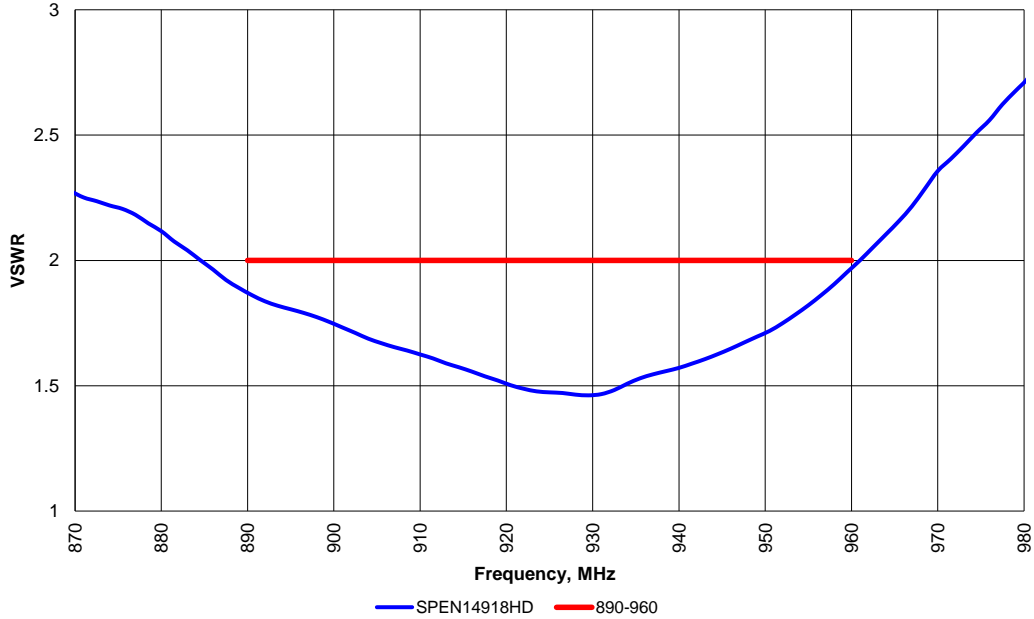
Series: Portables

PART NUMBER: SPEN14918HD

CHARTS

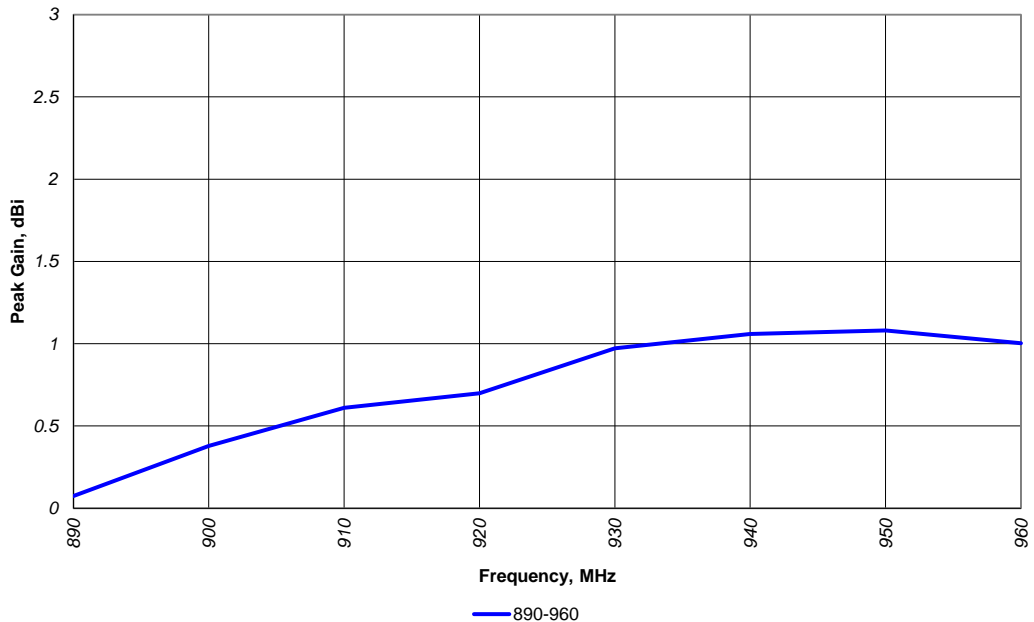
VSWR vs Frequency
SPEN14918HD

Measured at Pulse, USA - Dec 10, 2015



Peak Gain vs Frequency
SPEN14918HD

Measured at Pulse, USA - Dec 10, 2015



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Description: 1/2 WAVE END FED

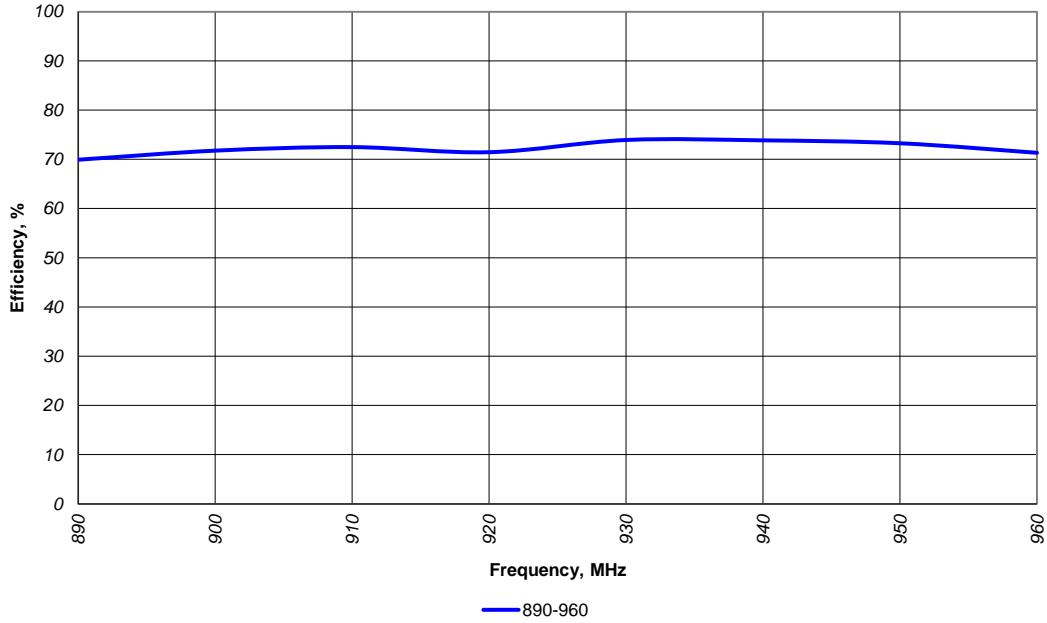
Series: Portables

PART NUMBER: SPEN14918HD

CHARTS

Efficiency vs Frequency
SPEN14918HD

Measured at Pulse, USA - Dec 10, 2015



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