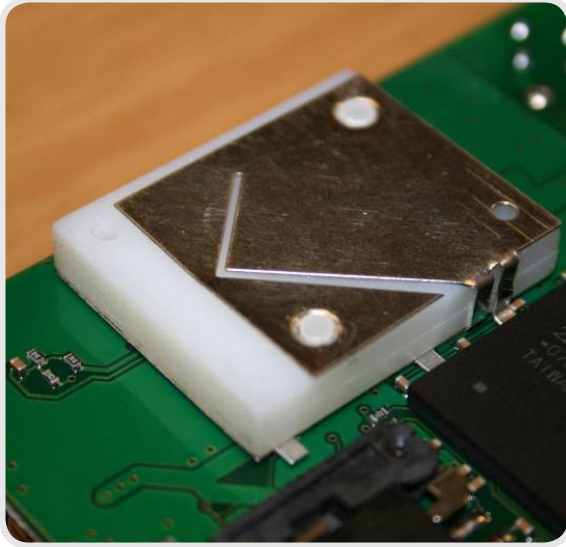


ANTENNAS | PIFA-4

PIFA-4

870 - 960, 1710 - 1880 MHz SMD DUAL- BAND CELLULAR PIFA



VSWR
< 10:1




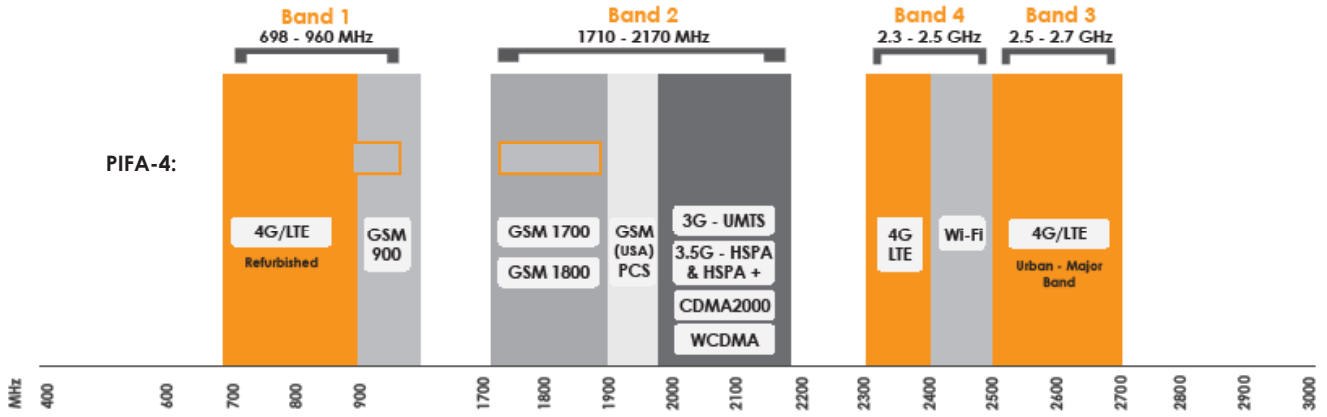
Product Overview

The PIFA-4 is a compact surface mount dual band GSM antenna that is designed to work in the 900 and 1800 GSM bands. It is the ideal antenna solution for OEM manufacturers looking for a compact antenna that can be easily integrated into their products without compromising signal quality.

Frequency bands

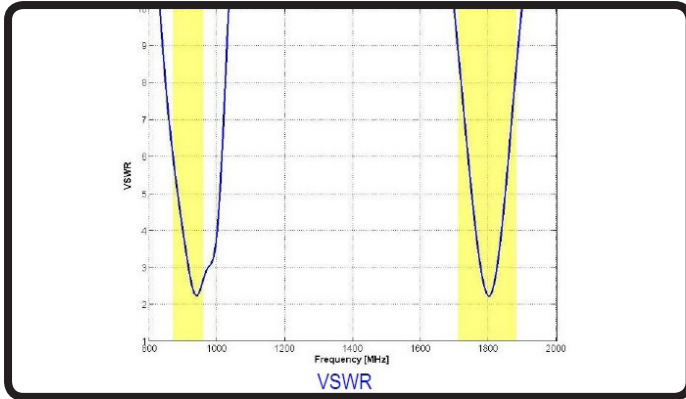
The PIFA-4 is a wide-band antenna that works from 890 - 960 MHz & 1710 - 1880 MHz

 Indicates the bands on which this antenna works



Antenna Performance Plots

VSWR:



Voltage Standing Wave Ratio (VSWR)

VSWR is a measure of how efficiently radio-frequency power is transmitted from a power source, through a transmission line, into a load. In an ideal system, 100% of the energy is transmitted which corresponds to a VSWR of 10:1.

The PIFA-4 delivers superior performance across all bands with a VSWR of < 10:1 or better.

Gain: (excluding cable loss)

Gain* in dBi

1 dBi is the peak gain across all bands from 890 - 960 MHz & 1710 - 1880 MHz

Gain @ 890 - 960 MHz:

0 dBi

Gain @ 1710 - 1880 MHz:

0 dBi

*Antenna gain measured with polarisation aligned standard antenna

Electrical Specifications

Frequency Bands:	890 - 960 MHz 1710 - 1880 MHz
Gain (Max):	1 dBi
VSWR:	<10:1
Feed Power Handling:	10 W
Input impedance:	50 Ohm (nominal)
Polarisation:	Linear
DC Short:	Yes

Environmental Specifications

Temperature Range (Operating):	-20°C to +70°C
Environmental Conditions:	Indoor
Operating Relative Humidity:	Up to 98%
Storage Humidity:	5% to 95% - non condensing
Storage Temperature:	-20°C to +70°C

Ordering Information

Commercial name:	PIFA-4
Order Product Code:	A-PIFA-0004
EAN number:	

Additional Accessories Available

Extension Cables:	None
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For more detailed information and availability in your region, visit our web site: www.poynting.tech

Contact Poynting

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PIFA-4

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Product Specifications may change without prior notice

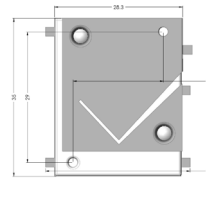
Revised: October 2015

Mechanical Specifications

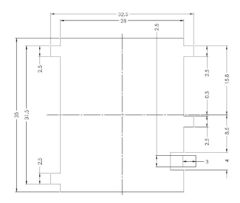
Product Dimensions (L x W x D):	35 mm x 33 mm x 7 mm
Packaged Dimensions:	37 mm x 35 mm x 9mm
Weight:	10.2g
Packaged Weight:	10.5g

Product Box Contents

Antenna:	A-PIFA-0004
Mounting Bracket:	SMD (Surface mount device)



Antenna Dimensions



SMD Landing Pad Dimensions

Certification Approvals and Standards

Flammability rating:	UL 94-V1 EN 13823
Impact resistance:	IK 05
Product Safety:	Complies with UL, CE, EN, CSA and IEC standards



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