SENGENUITY
Sensor Engines by Vectron International

Planar Inverted F-Shaped Antenna
ANT-PIF-0001

Key Features

- Working Frequency 433MHz
- Excellent Radiation Pattern
- Designed to operate with WSR-T2 Reader electronic
- Optimized Reading Distance with TempTrackr Sensor Modules

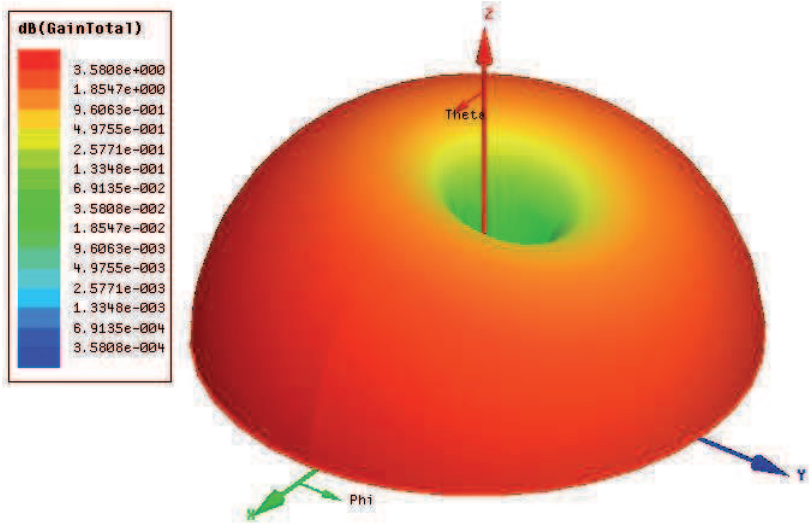
Typical Applications

- Use in Switchgear or Breaker cabinet

Performance Specifications[1]

Parameter	Min	Typical	Max	Units	Condition
Center frequencies [f_s]		433		MHz	
Bandwidth[1)]		5		%	
Gain[1)]			+3.5	dBi	
VSWR1[1)]		1.3			at center frequency
Impedance [1)]		50		ohm	
Operating temperature range	-40		+85	°C	
Electrical Strength of the cover			30	kV/mm	

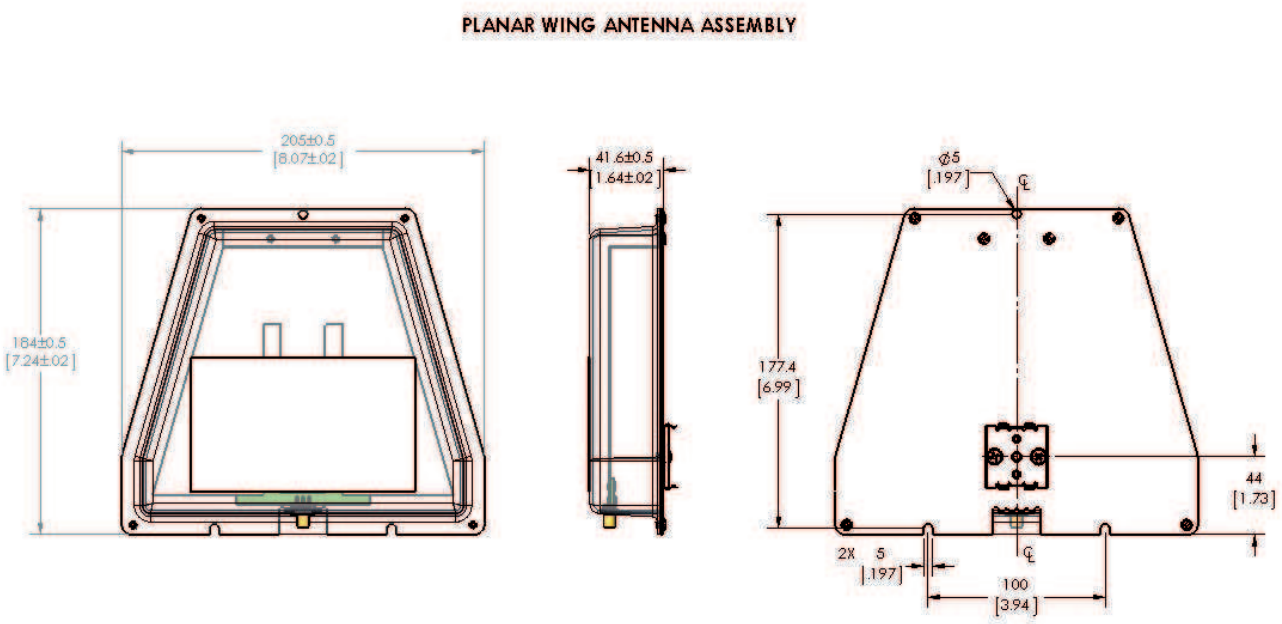
Antenna Radiation Pattern Gain Total



Notes
1. Measured at 25°C

Vectron International GmbH, Landstrasse, 74924 Neckarbischofsheim, Germany | Phone: (+49) 7268-801-100 | www.sengenuity.com

Dimensions in mm [inch] for PIF antenna



Marking on label:
SENGENUITY part number Date Code

Example:
SENGENUITY ANT-PIF-0001 AYYWW

Installation

- 1st option: Screw Mount, use 3 x 5mm holes
- 2nd option: use clip for TS-35 rail mount

Reliability

After the following tests the antenna meets the specification:

- Tempeature cycling: 1000 times from -40° to +85
- Life-time: Min. 10 years

Ordering Information

ANT-PIF-0001

Product status and specifications are subject to change.

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