

Ultra-wideband (UWB) PCB antenna



General information

Planar ultra-wideband Vivaldi antenna for various applications including laboratory measurements, spectrum monitoring etc.

Typical applications

ISM, RFID, IoT (Sigfox, LoRa), LP-WAN, Smart meters, Multiband LTE, UMTS, GSM, SDARS

Electrical data

Antenna type	Vivaldi antenna
Frequency range	1.5...8 GHz
Nominal input impedance	50 Ohm
Return loss	-10 dB
Maximum gain	6.5...10.5 dBi
Radiation efficiency	70...90 %
Polarization	linear
Radiation pattern	directional
Maximum input power	20 W

Mechanical data

Antenna dimensions (without connector)	213 mm x 150 mm x 1 mm
Connector type	SMA (female)
PCB material	FR4
PCB colour	black

Environmental data

Ambient operating temperature	-40°C to +85°C
Storage temperature	-40°C to +85°C
Ambient relative humidity	40% to 95%
RoHS compliant	Yes

All information (including technical data and pictures) presented in this document is typical and subject to change without notice. Sevskiy is a registered trade mark of Sevskiy GmbH. Copyright © 2009-2023 Sevskiy GmbH. All rights reserved. No warranties.