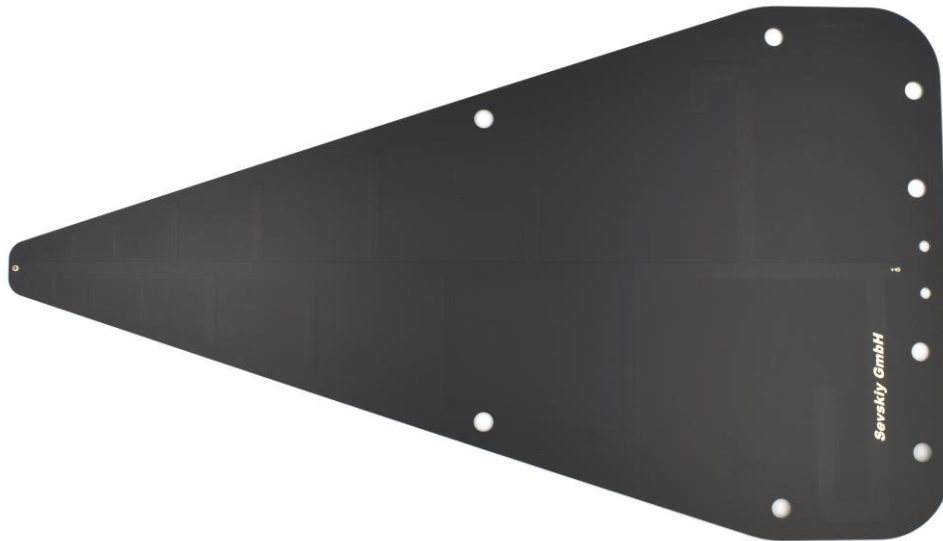


**Ultra-wideband (UWB) PCB antenna**



**General information**

Planar ultra-wideband log-periodic 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	Log-periodic antenna
Frequency range	0.79...8 GHz
Nominal input impedance	50 Ohm
Return loss	-10 dB
Maximum gain	2 dBi (0.79 GHz); 6.5 dBi (1.5...6 GHz)
Radiation efficiency	58 % (0.79 GHz); 74 % (1.5...6 GHz)
Polarization	linear
Radiation pattern	directional
Maximum input power	20 W

**Mechanical data**

Antenna dimensions (without cable)	262 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

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