

4900 MHz / 6000 MHz Circularly polarized patch antenna array



General information

Circularly polarized patch antenna array is used for various applications including long-range Wi-Fi networks, video surveillance systems, IoT and M2M communications, drone control etc.

Typical applications

ISM, M2M, IoT, Wi-Fi, drone control

Electrical data	
Antenna type	Patch antenna array
Frequency bands	5.5 GHz ISM band
Frequency range [MHz]	49006000
Return loss [dB]	-10
Peak gain [dBi]	1820
Radiation efficiency [%]	85
Nominal input impedance [Ohm]	50
Polarization	Circular (RHCP)
Radiation pattern	directional
Maximum input power [W]	5

Mechanical data	
Antenna dimensions [mm]	200 x 200 x 5
Connector type 1)	SMA Female 1)
Material	PTFE Teflon, FR-4
Weight [g]	220

Environmental data		
Operating temperature [°C]	-40+85	
Storage temperature [°C]	-40+85	
Ambient relative humidity [%]	095	
RoHS / REACH compliant	yes / yes	

Additional information

1) Other connector types can be offered on request.

Other designs, geometries or materials are possible on request.

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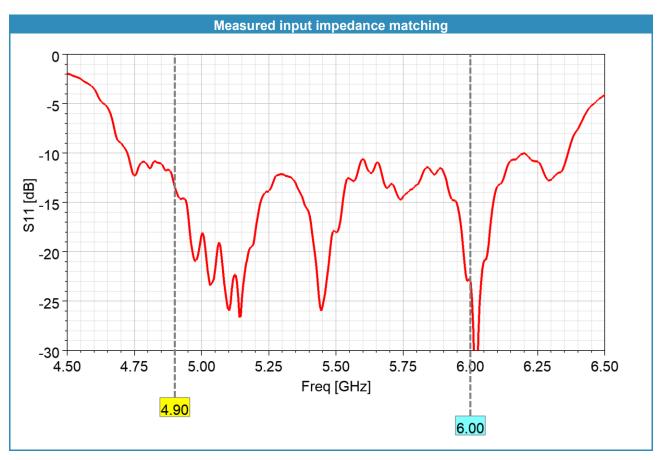
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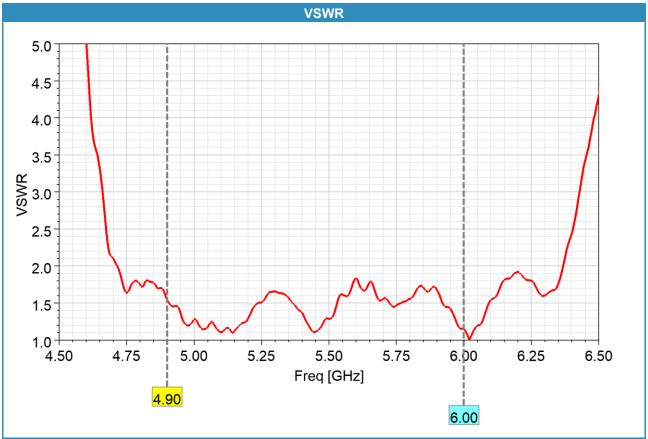
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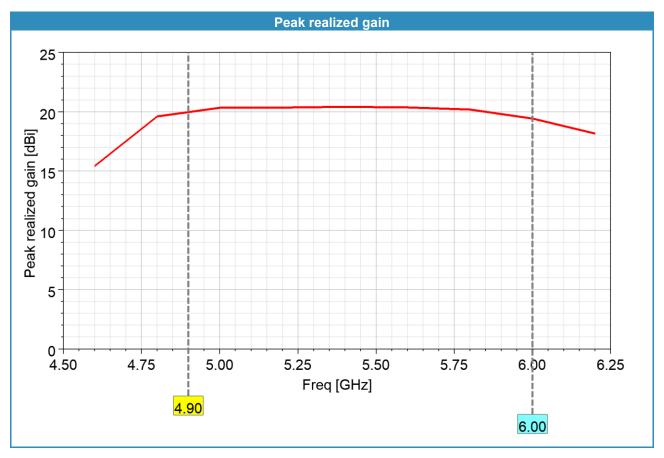
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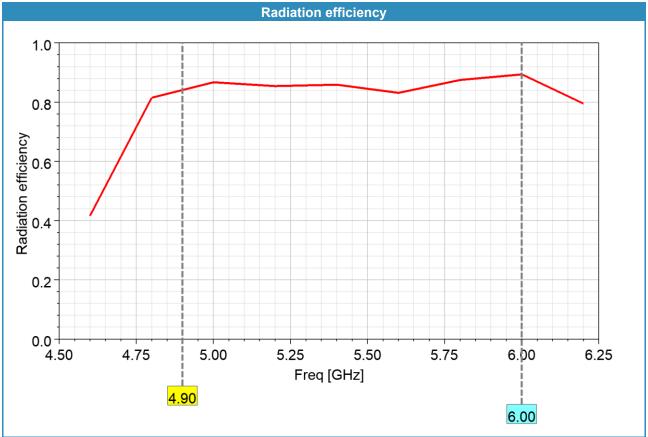
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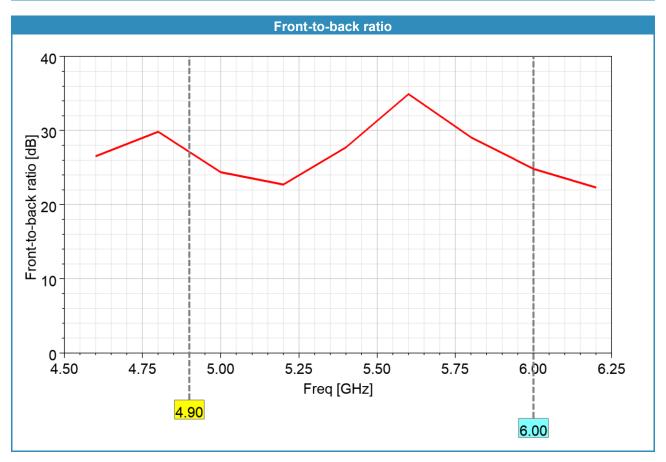
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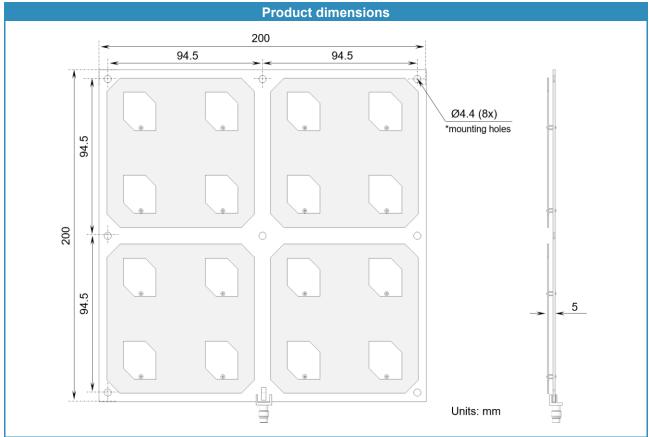
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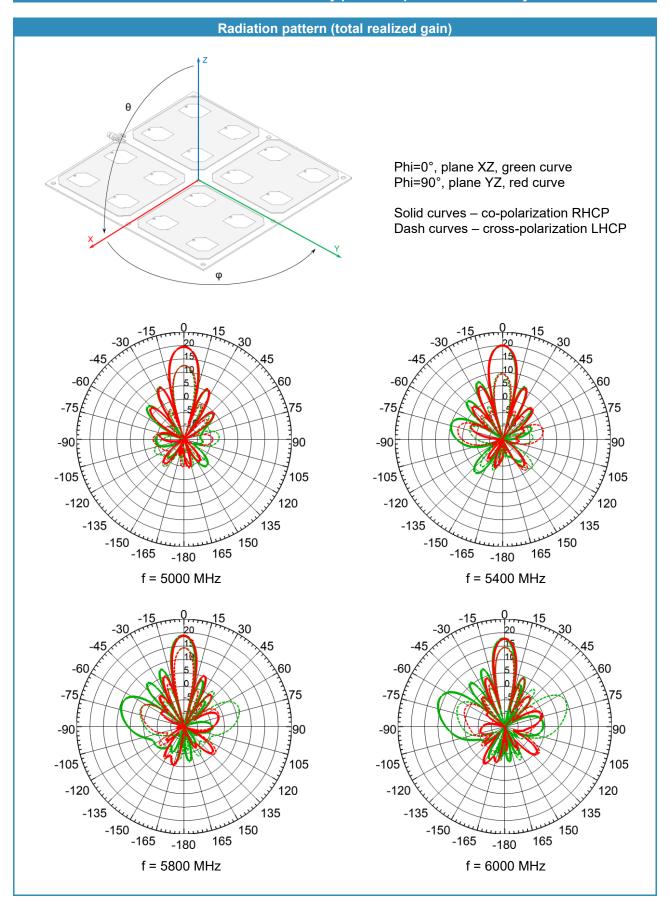
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