



ANT897-5FF antenna for private 5G mobile networks with 4 antenna elements and weak directional effect 3400.. 4200 MHz; antenna gain: 9 dBi, including 4xN-Connect female connection IP66; -40..+80 °C; observe national approvals; scope of delivery: 1x ANT897-5FF, fixing accessories for mounting on mast and rail, information sheet en/de

Technical Product Detail Page	https://i.siemens.com/1P6GK5897-5FF00-0AA0
suitability for operation	antenna for 5G/4G/3G/2G networks
radio frequencies	
type of wireless network / is supported	5G private networks
operating frequency / 1	3400 ... 4200 MHz
electrical data	
antenna gain compared to spherical radiator	9 dB
<ul style="list-style-type: none"> with linear radiation / in operating frequency area 1 / typical 	
impedance	50 Ω
polarization	2x linear horizontal, 2x linear vertical
radiation characteristic	Sector antenna
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	for 3.6 GHz
<ul style="list-style-type: none"> horizontal vertical 	56° 52°
number of electrical connections / of the antenna	4
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	female
mechanical data	
material	Lexan EXL 9330
<ul style="list-style-type: none"> of outer shell 	
color	white
ambient conditions	
ambient temperature	-40 ... +80 °C
<ul style="list-style-type: none"> during operation during storage 	-40 ... +80 °C
protection class IP	IP66
design, dimensions and weights	
width	188 mm
height	168 mm
depth	193 mm
net weight	1250 g
fastening method	
<ul style="list-style-type: none"> mast mounting flat roof mounting wall mounting roof mounting directly on the device 	Yes No No No No

product features, product functions, product components / general	
product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	
• RoHS conformity	Yes
wireless approval	Current national approvals can be found on the Internet under www.siemens.com/mobilfunkzulassungen
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to website: Mobile radio national approval	https://www.siemens.com/mobile-approvals
• to website: Industrial communication	https://www.siemens.com/simatic-net
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAx-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)

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