

### product type designation



### ANT897-4MA antenna

ANT897-4MA mobile wireless antenna for public 3G/4G/5G mobile wireless networks and private 5G networks worldwide; omnidirectional characteristic; 600..5000 MHz antenna gain: 1..2dBi, incl. SMA male connection, radial rotatable with additional joint, IP65 (-20... +65 °C), observe national approvals; for direct installation with SMA connection system scope of delivery: 1x ANT 897-4MA, compact instructions as hard copy German/English

### suitability for operation

Cellular antenna for public and private 5G networks

### radio frequencies

type of wireless network / is supported	5G public networks, 5G private networks, LTE, UMTS, GSM
operating frequency / 1	617 ... 960 MHz
operating frequency / 2	1452 ... 1576 MHz
operating frequency / 3	1710 ... 2690 MHz
operating frequency / 4	3300 ... 4200 MHz
operating frequency / 5	4400 ... 5000 MHz

### electrical data

antenna gain compared to spherical radiator	
<ul style="list-style-type: none"> <li>with linear radiation / in operating frequency area 1 / typical</li> </ul>	1 dB
<ul style="list-style-type: none"> <li>with linear radiation / in operating frequency area 2 / typical</li> </ul>	2 dB
<ul style="list-style-type: none"> <li>with linear radiation / in operating frequency area 3 / typical</li> </ul>	2 dB
<ul style="list-style-type: none"> <li>with linear radiation / in operating frequency area 4 / typical</li> </ul>	2 dB
<ul style="list-style-type: none"> <li>with linear radiation / in operating frequency area 5 / typical</li> </ul>	2 dB
impedance	50 Ω
polarization	Linear Vertical
radiation characteristic	omnidirectional
standing wave ratio (VSWR) / maximum	3.5
number of electrical connections / of the antenna	1
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	male, variable 0-90°

### mechanical data

material	
<ul style="list-style-type: none"> <li>of outer shell</li> </ul>	PC
color	black

### ambient conditions

ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-20 ... +65 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-30 ... +70 °C
protection class IP	IP65

### design, dimensions and weights

width	35 mm
height	160 mm
depth	13 mm

net weight	27 g
fastening method	
• mast mounting	No
• flat roof mounting	No
• wall mounting	No
• roof mounting	No
• directly on the device	Yes
<b>product features, product functions, product components / general</b>	
product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	
• RoHS conformity	Yes
wireless approval	Current national approvals can be found on the Internet under <a href="http://www.siemens.com/mobilfunkzulassungen">www.siemens.com/mobilfunkzulassungen</a>
reference code / according to IEC 81346-2:2019	TFB
<b>further information / internet links</b>	
internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to website: Mobile radio national approval	<a href="https://www.siemens.com/mobile-approvals">https://www.siemens.com/mobile-approvals</a>
• to website: Industrial communication	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
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<b>security information</b>	
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