

5003700

Features

- Wideband directional antenna covering 698-4000 MHz
- Compact, lightweight and easy to install
- Passive Intermodulation < -153 dBc @ 2x20W
- Low return loss and high gain with stable performance



ORDERING OPTIONS Select from the following ordering options

SELECT	MODEL NUMBER
Antenna with N-Type Female Connector	5003700
Antenna with 4.310 Female Connectors	5003700-4310

ELECTRICAL SPECIFICATIONS All Bands

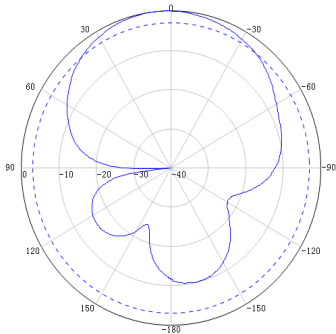
Frequency Range	698-4000 MHz				
	698-806 MHz	806-960 MHz	1710-2170 MHz	2200-2700 MHz	3400-4000 MHz
Frequency Sub-Range	698-806 MHz	806-960 MHz	1710-2170 MHz	2200-2700 MHz	3400-4000 MHz
Polarization	Vertical				
Gain	5.0 ± 0.5 dBi	6.0 ± 0.5 dBi	7.0 ± 0.5 dBi	7.5 ± 0.5 dBi	5.5 ± 0.5 dBi
Horizontal Beamwidth	80°	80°	65°	60°	55°
Vertical Beamwidth	73°	70°	60°	60°	30°
Impedance	50Ω				
VSWR	≤ 1.8	≤ 1.8	≤ 1.8	≤ 1.8	≤ 1.8
Passive Intermodulation 3rd Order for 2x20 W Carriers	-153 dBc	-153 dBc	-153 dBc	-153 dBc	-153 dBc
Front-to-Back Ratio	> 5 dB	> 8 dB	> 10 dB	> 15 dB	> 10 dB
Maximum Power	50W				
Connector Type	1 Port, N-Type Female				

MECHANICAL SPECIFICATIONS

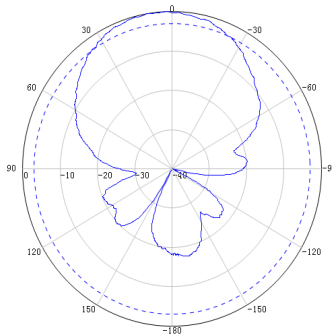
Antenna	Length	180 mm (7.1 in)
	Width	170 mm (6.7 in)
	Depth	60 mm (2.4 in)
Net Weight		0.37 kg (0.8 lbs)
Operating Temperature		-55° to +60° C (-67° to +140° F)
Radome Material		ABS
Radome Color		White, RAL 9003
Mounting Options		Fasteners and screws included for wall mounting

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

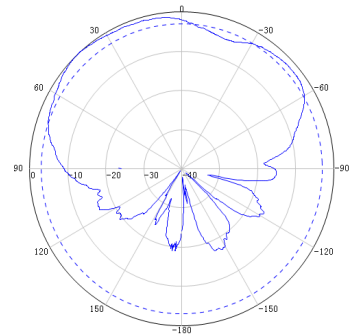
5003700



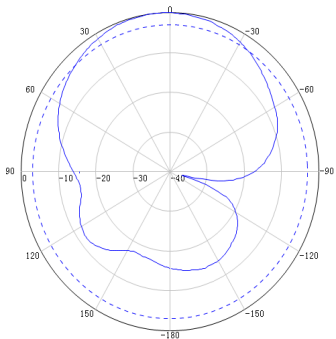
Horizontal, 900 MHz



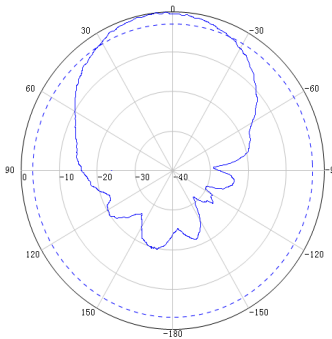
Horizontal, 1880 MHz



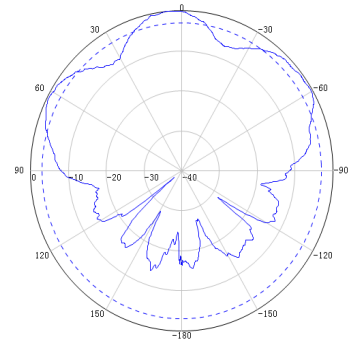
Horizontal, 3500 MHz



Vertical, 900 MHz



Vertical, 1880 MHz



Vertical, 3500 MHz

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