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M1621HCT

Quadrifilar Antenna for Iridium Band (RHCP)



PRODUCT DESCRIPTION

The M1621HCT uses advanced HeliCore™ Technology to achieve +2dBic performance in the World's lightest form factor (9 grams). This very small 48mm (height) x 18mm (diameter) make this Iridium antenna perfect for mobile handset applications (commercial or military). With axial ratio typically 0.5 dB and upper-hemisphere efficiency >40% this small & lightweight Iridium antenna can operate in the most extreme and demanding applications with maximum LEO satellite reception. The interface connector is available in SMA and TNC options.

SPECIFICATIONS

	Min	Typical	Max	Unit
Frequency	1610	1621	1626	MHz
Polarization		Right-Hand		RHCP
Efficiency (upper hemisphere)		40		%
Efficiency (total spherical)		50		%
Realized Gain	1.5	2.0	2.5	dBic
Beamwidth (3dB)	140°			Degrees (both axis)
Bandwidth (1dB)		15		MHz
Cross Pole Rejection	15			dB
Axial Ratio	0.5		1.5	dB
Front to Back Ratio		15		dB
VSWR		>1.5		dB
Impedance		50		Ohms
Overall Dimensions		18 (diameter) x 48 (height)		Mm
Operating Temperature	-40	20	+75	°C