NANOBLADE

Internal Wireless Device Antenna
2400-2500 MHz/4900-6000 MHz

The evolution of technology has brought the need to communicate everywhere and at all times without being confined to one space. Lairds' internal wireless device antennas feature wide bandwidth to enhance the performance and application of portable wireless devices based on standards such as 802.11 and Bluetooth®. The antennas are specifically designed to be embedded inside devices for aesthetically-pleasing integration with high durability.

FEATURES AND BENEFITS

- Covers 2.4 to 2.5 GHz for 802.11b and 4.9 to 6 GHz for 802.11a, and all US, European, and Japanese WLAN applications
- Coaxial cable pigtail with various connector choices
- Omnidirectional patterns and all frequencies with increased gain in upper bands for optimal coverage
- Conformance to European RoHS Directive

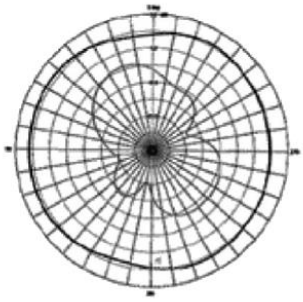
SPECIFICATIONS			
Operating Frequency (MHz)	2400-2500	5150-5350	5600
VSWR – Max	2:1		
Gain (dBi)	2	3.9	4
Nominal Impedance (Ohms)	50		
Polarization	Vertical, Omnidirectional		
Dimensions – cm (in.)	5.08 x 1.65 (2.0 x 0.65)		
Material Substance Compliance	RoHS		

CONFIGURATION

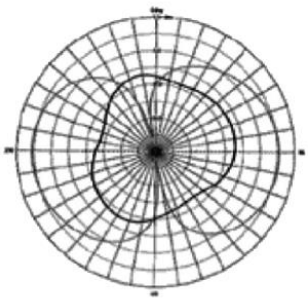
MODEL NUMBER	PART NUMBER	CABLE LENGTH	CONNECTOR
NanoBlade – MMCX4	CAF94504	100 mm, RG-178	RA-MMCX
NanoBlade-IP04	CAF94505	100 mm, Ø 1.13 mm	IPEX MHF
NanoBlade-MMCX4	MAF95056	100 mm, RG-178	Flying lead
MAF95090	MAF95090	175 mm, Ø 1.13 mm	IPEX MHF

RADIATION PATTERNS

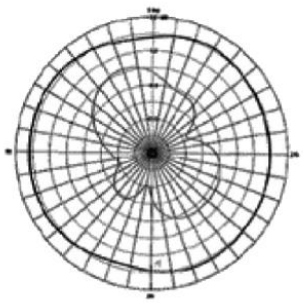
2.45 GHz



5.29 GHz



5582.5 MHz



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RoHS

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