



The evolution of technology has brought the need to communicate everywhere and at all times without being confined to one space. Our 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 and 4.9 to 6 GHz for all 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

Part Numbers	CAF94505, MAF95090, MAF94158			ENB2449A1-10MHL4, ENB2449A1-20UFL		
Operating Frequency (MHz)	2400-2500	5150-5350	5600-6000	2400-2500	5150-5350	5600-6000
Gain (dBi)	2	3.9	4	3.19	4.1	4.35
VSWR – Max	2:1					
Nominal Impedance (Ohms)	50					
Polarization	Vertical, Omnidirectional					
Dimensions – cm (in.)	5.08 x 1.65 (2.0 x 0.65)					
Material Substance Compliance	RoHS					
Operating Temperature – °C (°F)	-30 to +70 (-22 to +158)					
Storage Temperature – °C (°F)	-40 to +85 (-40 to +185)					

### CONFIGURATION

PART NUMBER	CABLE LENGTH	CONNECTOR
CAF94505	100 mm, Ø 1.13 mm	IPEX MHF
MAF95090	175 mm, Ø 1.13 mm	IPEX MHF
MAF94158	279.4 mm, Ø 1.13 mm	IPEX MHF
ENB2449A1-10MH4L	100 mm, Ø 1.13 mm	IPEX MHF4L
ENB2449A1-20UFL	200 mm, Ø 1.13 mm	IPEX MHF

**Note:** Specifications are based on the 100mm cable length, standard antenna version with MHF1 / U.FL connector. Varying the cable length or type or connector will cause variations in these antenna specifications.

### RADIATION PATTERNS

