

MicroBlue

Part Number (P/N):
CAF94131

Features:

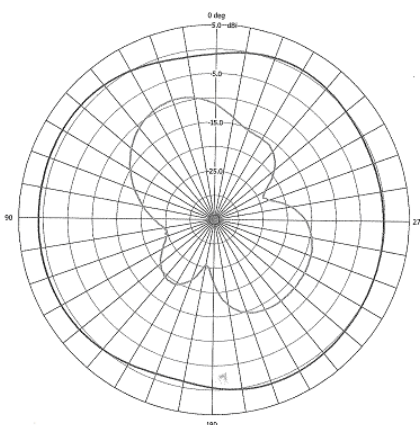
- Versatile and easy to use antenna for 2.4 to 2.5 GHz Bluetooth and IEEE 802.11 devices
- Designed for easy connection to radio cards
- Utilizes Centurion's patented PCB Microsphere technology
- Has a ground plane incorporated into the resonator structure, therefore no additional ground plane is required to radiate efficiently

Specifications:

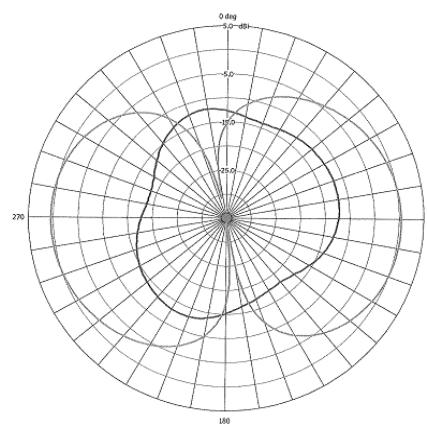
Frequency Range	2.4 – 2.5 GHz
Polarization	Linear
Peak Gain	1.5 dBi
Average Gain	>0 dBi
Nominal Impedance	50 ohms
VSWR (Min. Performance)	< 1.8:1 from 2.4 GHz to 2.5 GHz 2:1 VSWR Bandwidth > 600 MHz
Temperature Range	-40° to +85°C
Vibration	6G RMS (9.04g ² /Hz) for 15 minutes each in vertical and horizontal. No appearance or functional axis.
Thermal Shock	Change after 4 repeated cycles of 1 hr. at +85°C and 1 hr. at -40°C. Transfer time is 5 min.
Size (inches)	.89" x 1.88" x .032" (w x l x t)
Standard Cable	RG-178 (MIL-C17) Coaxial Cable x 8" Long
Standard Connector	Right-Angle MMCX Plug



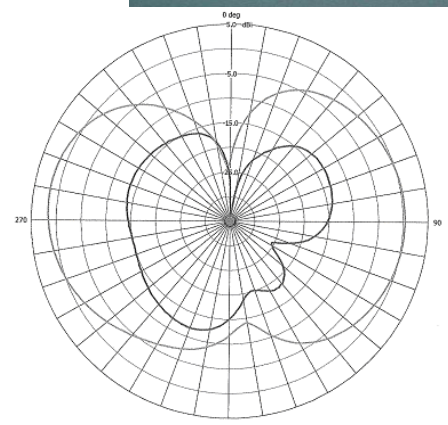
MicroBlue 2.4 shown here with standard 8 inches of RG-178 coax and right angle MMCX connector



**Azimuth Plane
Gain Pattern at 2450 MHz**



**Elevation Plane
Phi = 0, Gain Pattern at 2450 MHz**



**Elevation Plane
Phi = 90, Gain Pattern at 2450 MHz**

Specifications subject to change without notice

MicroBlue - 10/28/02