

BlueChip™

Internal Wireless Device Antenna

Part Number (P/N):

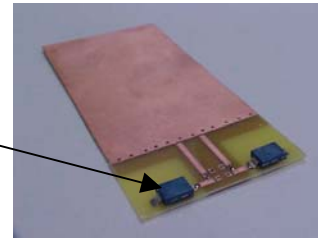
CAF95901

Single Band Eval PCBA: CAF95943

UWB Eval PCBA : CAF94408

Features:

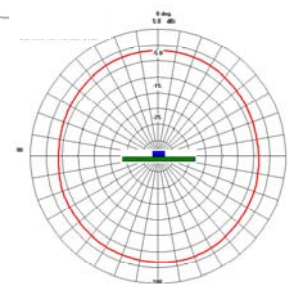
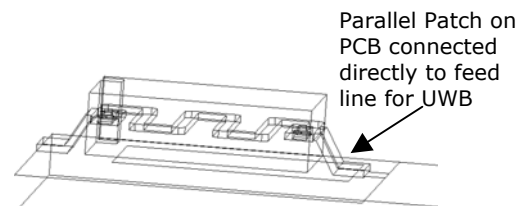
- Small and lightweight
- Omnidirectional, azimuth plane
- Wide bandwidth, ultra-wide band capable
- Internal mounting
- Available in tape and reel packaging
- SMT compatible



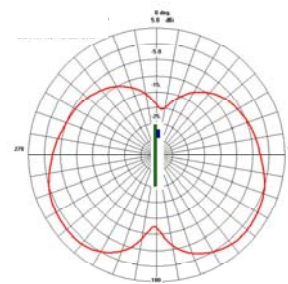
Specifications:

Frequency Range	2.4 – 2.5 GHz, 5.15-5.875 GHz
Polarization	Linear
Peak Gain	> 2 dBi (2.4-2.5 GHz) > 3 dBi (5.15-5.875 GHz)
Nominal Impedance	50 ohms
VSWR (Min. Performance)	<2.0:1 (2.4-2.5 GHz, 5.15-5.875 GHz)
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.
Radiating Element Size (L x W x H)	8 x 6 x 2.5 mm
Physical Mass	0.21 grams
Length w/ Solder Tabs	12mm

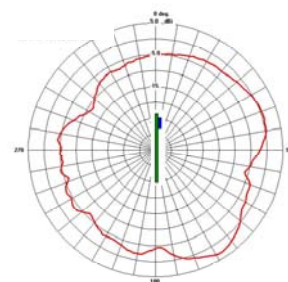
PCMCIA Design



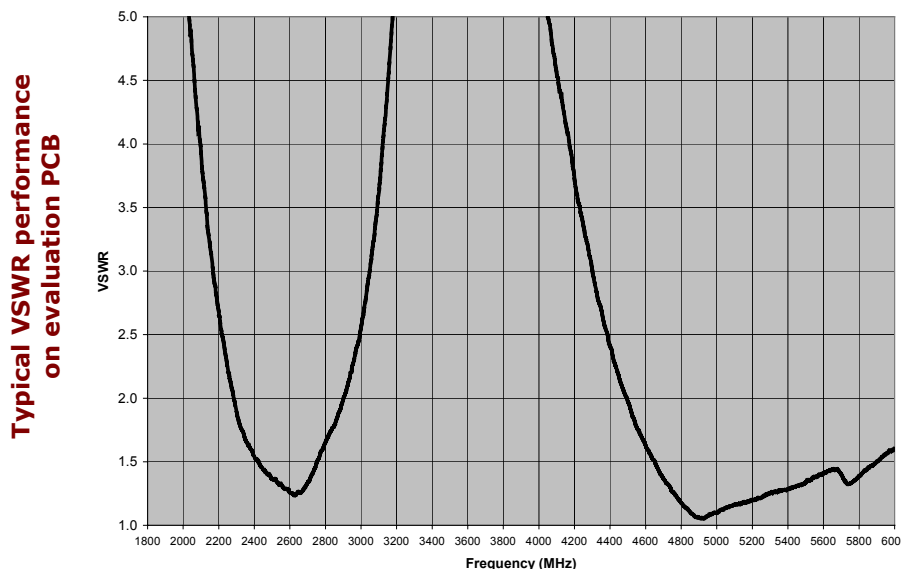
**Azimuth
2450 MHz
Free Space**



**Elevation
2450MHz
PHI=0
Free Space**



**Elevation
5800 MHz
PHI=0
Free Space**



Specifications subject to change without notice

BlueChip 3 – 2/12/03