

Laird Bluechip and BlackChip Antenna

<http://www.lairdtech.com/pages/products/Wireless-Internal-Antennas-BlackChip.asp> antenna Products - Wireless Device Internal Antennas - BlackChip™

Series: Internal Antenna - Surface Mount
Model: BlackChip™ WIC2450-A

Features and Benefits

- Available in tape and reel packaging
- Small and lightweight
- SMT compatible including lead free processes
- Wide bandwidth, ultra-wide band capable
- Conformance to European RoHS Directive 2002/95/EC

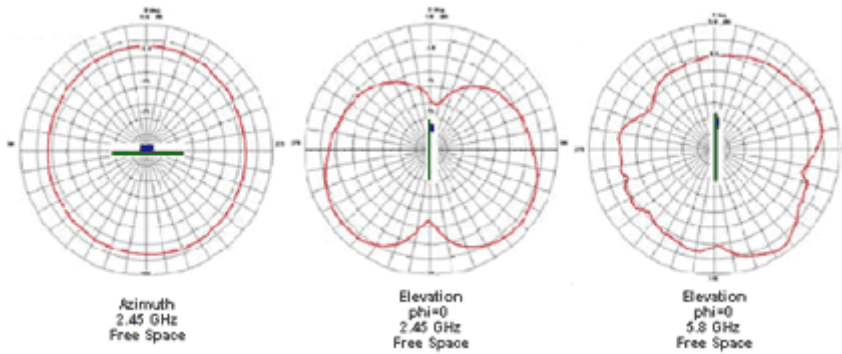
Specifications

FREQUENCY RANGE	2.4 - 2.5 GHz	4.9 - 6.0 GHz
PEAK GAIN	>2 dBi	>3 dBi
POLARIZATION	Linear	
NOMINAL IMPEDANCE	50 ohms	
VSWR (Min. Performance)	<2.0:1	
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 change.	
THERMAL SHOCK	Four repeated cycles of 1 hr. at 85°C and 1 hr. at -40°C. No appearance or functional change.	
RADIATING ELEMENT SIZE	8 x 6 x 2.5 mm (L x W x H)	
PHYSICAL MASS	0.21 grams	
LENGTH w/SOLDER TABS	12mm	

Connectors

Model #	Part #	Description	Connector	RoHS Compliant
WIC2450-A	MAF95029	Tape and Reel	N/A	Yes

WIC2452-A-SM		Ultrawide-band on eval board	SMA-female Edge-mount	
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Specification Sheets & Brochures

- [Wireless Device Model Number Cross Reference](#)
- [Design Guide](#)
- [BlackChip™ Specification Sheet](#)