

Specifications

BlackChip™

Internal Antenna - Surface Mount

Model Number: WIC2450-A

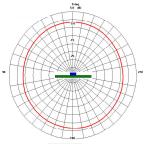
Specifications:

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

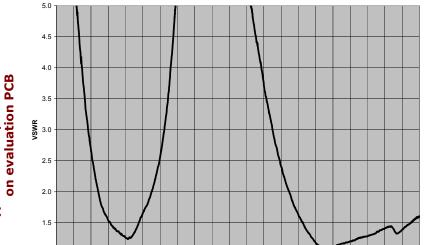
- Comormance to European Nor	- Comormance to European Rons Directive 2002/93/EC			
Frequency Range	2.4 - 2.5 GHz	4.9 - 6.0 GHz		
Peak Gain	> 2 dBi	> 3 dBi		
Polarization	Linear			
Nominal Impedance	50 ohms			
SWR (Min. Performance)	<2.0:1			
Temperature Range	-40° to +85°C			
Vibration	6G RMS (9.04g2/Hz) 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			

Typical VSWR performance

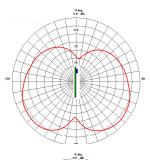
Connectors.			
Model #	Part #	Description	Connector
WIC2450-A	MAF95029	Tape and Reel	N/A
WIC2450-A-SM		Ultrawide-band	SMA-female Edge-
		on eval board	mount



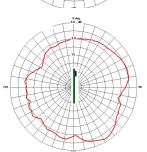
Azimuth 2.45 GHz Free Space



1800 2000 2200 2400 2600 2800 3000 3200 3400 3600 3800 4000 4200 4400 4600 4800 5000 5200 5400 5600 5800 6000



Elevation <u>phi=0</u> 2.45 GHz Free Space



Elevation <u>phi=0</u> 5.8 GHz Free Space

Specifications subject to change without notice.

WIC2450-A a - 12/23/05





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