

Surface Mount WLAN / Bluetooth Chip Antenna (2450MHz)



AMCA31-2R450G-S1F-T3



3.2 x 1.6 x 1.2mm
RoHS/RoHS II Compliant
MSL = 1

Features

- 2450MHz, Bandwidth ≥ 90 MHz
- Suitable for RoHS compliant reflow
- Gain 0.5dBi (Peak) / -1dBi (Average)
- VSWR $< 2:1$
- Small size – 3.2 x 1.6 x 1.2mm (0.125 x 0.62 x 0.047 inch)
- Non Ground Mounting type.
- Power Handling 3W Max
- Matched to 50 Ohm.

Applications

- Wireless application - Bluetooth / WiFi (2.445GHz)
- High density applications
- Bluetooth headsets or ear pieces
- Computer mouse and keyboards
- PROFINET – Industrial automation
- Video Game systems
- Alternative to larger PCB solution

Electrical Specifications

Parameter	Min.	Typ.	Max.	Units	Note
Frequency		2450		MHz	
Bandwidth	100			MHz	
Peak Gain		0.5		dBi	
Average Gain		-1		dBi	
VSWR			2		
Impedance		50		Ω	
Power Capability			3	W	

Environmental Characteristics

Parameters	Specification
Environmental friendly	Pb-free
MSL	1
Operating Temperature	-40 °C to + 85 °C
Storage Temperature	-10 °C to +40 °C
Relative Humidity	70%