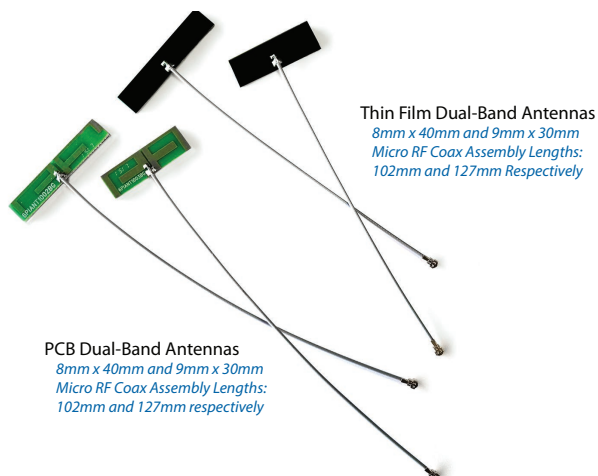


## Dual-Band WiFi Antennas

These dual-band antennas are available in both Thin Film and Printed Circuit Board formats for embedded applications, such as in set top boxes, gateways and routers. The antennas offer excellent gain in both 2.4 - 2.49 GHz and 4.9 - 5.9 GHz bands for applications such as 802.11a/b/g/n/ac WiFi formats, as well as both Bluetooth, and Zigbee.

Thermally stable to 75°C, the antennas use a high-bond adhesive tape for long term mounting. The antenna small footprint and shallow thickness facilitate flexibility in chassis placement. The attached small diameter (1.13 mm) coaxial cable allows for easy signal routing within a product chassis.

### Specifications:



### Features & Benefits:

- Meets ISTA 2A Vibration Standard
- RoHS Compliant
- Very High Bond Acrylic Adhesive
- High Thermal Soak & Shock Performance
- Also capable of 802.11a/b/g/n/ac WiFi formats, Bluetooth, and Zigbee.

Part Number	Thin Film Antennas		PCB Antennas	
	ADB-TF-U-840	ADB-TF-U-930	ADB-P-U-840	ADB-P-U-930
Frequency Range	2.4 to 2.49 GHz, 4.9 to 5.9GHz		2.4 to 2.49 GHz, 4.9 to 5.9GHz	
Peak Gain	1.7 dBi @ 2.4 GHz 2.5 dBi @ 5.66 GHz	2.2 dBi @ 2.4 GHz 4.0 dBi @ 5.66 GHz	1.7 dBi @ 2.4 GHz 2.5 dBi @ 5.66 GHz	2.2 dBi @ 2.4 GHz 4.0 dBi @ 5.66 GHz
Feed Impedance	50 Ω			
WiFi Standard	IEEE 801.11n and 802.11a/b/g			
Power Handling	30 dBm			
Interface	50 Ω, 1.13mm diameter micro coax cable			
Temperature Range	-40° C - +75° C			
Storage Temperature Range	-40° C - +85° C			
Antenna Area	8mm x 40mm	9mm x 30mm	8mm x 40mm	9mm x 30mm
Micro Coax Cable Length	Standards of 4" (102mm) or 5" (127mm), and OEM Custom Length to Spec			
Micro Coax Cable Insertion Loss	0.5dB Max.			
Antenna VSWR	1.3 :1 Max. @ DC ~ 3 GHz 1.4 :1 Max. @ 3GHz ~ 6GHz		2:01	
Connector	1.13mm Micro RF Coax - U,FL			