

# Airborne Radar



**MICRO RADAR ALTIMETER**  
24GHz Sensor



COMPACT  
SIZE



LOW  
WEIGHT



LOW POWER  
CONSUMPTION



UNBREAKABLE  
DESIGN



FAST UPDATE  
CYCLES

- ✓ Industrial UAVs
- ✓ For standard, small, or micro unpiloted aerial vehicles (UAVs/sUAVs/MAVs)
- ✓ For fixed and rotary winged aircraft
- ✓ For drones and helicopters

	MICRO RADAR ALTIMETER   VALUE
<b>PARAMETER</b>	
Operating Frequency	24.0...24.25GHz
Minimum Height	0.5m   1.64ft
Maximum Height	500m   1640.42ft
Supported Pitch and Roll Angles	-20...+20°
Maximum Speed Vertical	50m/s
Maximum Speed Forward	75 or 100m/s
Height Accuracy	3% or 0.5m (maximum of)   3% or 1.64ft (maximum of)
<b>MECHANICAL</b>	
Weight	350g (incl. 0.5m cable and connector)   12.35oz
Dimensions (H/W/D)	99 x 110 x 29mm   3.9 x 4.3 x 1.1in
<b>GENERAL</b>	
Initialization Time	< 1s (lower accuracy altitude available) < 5s (altitude result in spec.)
Update Cycle Time	≤ 17ms
Operating Voltage	7...32V DC
Power Consumption	3.7W
Bandwidth	< 200MHz
Max. Transmit Power (EIRP)	17dBm
Ambient Temperature	-40...+85°C   -40...+185°F
Interfaces	CAN V2.0b (passive), RS485
Connector	8 Pin plug Binder Series 712 on 0.5m cable
Shock / Vibration	100grms / 14grms
IP	67
Pressure or Transport Altitude	0...10000m   0...32800ft

