

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
PARAMETER	
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)
MECHANICAL	
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
GENERAL	
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

