

CS3151-AAA RTLS Asset & Personnel RFID Tags



Product Profile:

CS3151 is a member of the CSL RTLS Asset & Personnel RFID tag family. This family consists of Real Time Location tag that can provide up to +/- 1 meter location resolution.



Features:

- +/- 1 meter location resolution
- Low cost AAA battery operation
- Programmable LED
- Tamper evident battery compartment door
- Motion sensor standard feature, and with optional alert button, temperature sensor
- Mounting with battery door face up (easy access) or face down (concealed for security)
- Best location accuracy at lowest overall system cost in the industry

Specifications:

Physical Characteristics:	Plastic sealed enclosure: 94 mm x 56 mm x 15 mm; Weight 84 g
Read Range:	Up to 150 meters depending on reader power
Frequency:	2400-2483 MHz ISM license-free band
Environment:	Operating Temp: -40°C to 65°C (-40°F to 149°F) Storage Temp: -40°C to 85°C (-40°F to 185°F) Humidity: 0% to 95% RH non-condensing
Technology:	CHIRP
Output RF Power:	2 dBm EIRP
Ranging Method:	Time Of Arrival (TOA)
Ranging Accuracy:	+/- 1 meter
Protocol:	CSL RTLS Protocol, orderly inventory method to handle large tag population
Memory Content:	512 Bytes
IP Rating:	IP68
Update Cycle:	1 second to 6 minutes or more
Battery:	3 AAA batteries, off the shelf, Primary cell (alkaline) or Low Leakage NiMH Rechargeable (Rayovac, GP, Sanyo), or Lithium Ion Rechargeable AAA cell (typically 300 mAh)
Battery Life:	For 1250 mAh AAA Energizer Alkaline (X92) – assume 10% time in motion

Update Cycle Time	Battery Life with 10% motion sensed by motion sensor
2 seconds	6 months
5 seconds	14 months
10 seconds	24 months

Order Code:	CS3151-AAA	Standard
	-A-T	With optional alert button (A), and temperature sensor (T)