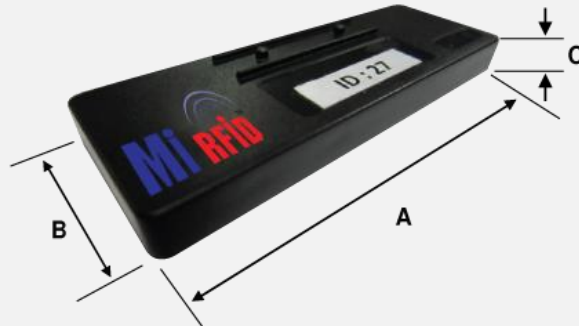


MIRFID ACTIVE TAG

MiA-EM-TBEVB-3069(4B1b-VT)



MECHANICAL DIMENSIONS

A	Tag Length	69.0 ± 1.0	mm
B	Tag Diameter	24.5 ± 1.0	mm
C	Tag Height	6.0 ± 1.0	mm

FEATURES

Applications	<ul style="list-style-type: none"> • Location Tracking and Monitoring for Assets and Personnel • Active RFID • Wireless Security Sensor • Industrial Wireless Telemetry • Custom-To-Fit Wireless Application
Operating Distance	<ul style="list-style-type: none"> • Indoor - Typical 30 meter; • Outdoor - Maximum 150 meter; <p>Further distance with :</p> <ul style="list-style-type: none"> • Higher transmit power • Higher sensitivity and higher gain antennas
Frequency	2.4GHz with up to 252 Channels
Transmission	Active
RF Air Protocol	Proprietary
Functions	<p>Build-in Sensors</p> <ul style="list-style-type: none"> • Motion (Anti-theft upon vibration sensor being triggered) • Temperature (To transmit data within certain temperature range) • Battery Level (To transmit data of battery power level) • Anti Tamper Switch (Tamper Proof) • Programmable Tact Switch (Optional)
Memory	8kB in-system programmable flash, and 1kB RAM

DELIVERY FORM

Physical Characteristics	Encapsulated Tag
Transmitting Package Data Size	24 Bytes
Battery	One CR2032 battery
Vibration Sensor	Available
Temperature Sensor	Available
Antenna	MiRFID™ PCB Antenna 3020
Antenna Material	PCB
Operating Temperature	-20°C to 85°C
EAS	No
MCU	8 bits 8051
Tag Datarate	Programmable from 2.4 – 500 kbps
Tag Format	Encapsulated
Encapsulation Material	PVC
Final Inspection	100% inspection.
Printable Area	Yes (optional)
Packaging	Singulated Encapsulated Tag
Data Sheet Version	MiA-EM-TBEVB-3069-4B1b-VT
Date	12 March 2012

A Product of:



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