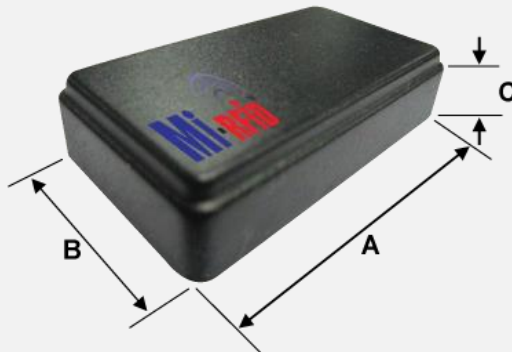


MIRFID ACTIVE TAG

MiA-EM-TBEVB-3048(4B1b-VT)



MECHANICAL DIMENSIONS

A	Tag Length	48.0 ± 1.0	mm
B	Tag Diameter	26.0 ± 1.0	mm
C	Tag Height	14.0 ± 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	24 Bytes
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	Single-row reel form

Data Sheet Version	MiA-EM-TBEVB-3048-4B1b-VT-01
Date	16 March 2012

A Product of:



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