

# MIRFID ACTIVE TAG

## MiA-EM-TBFVB-7176(2B1c-VT)



TOP VIEW



### MECHANICAL DIMENSIONS

<b>A</b>	Tag Length	72.0 ± 1.0	mm
<b>B</b>	Tag Diameter	25.0 ± 1.0	mm
<b>C</b>	Tag Height	10.0 ± 1.0	mm

### FEATURES

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

### DELIVERY FORM

<b>Physical Characteristics</b>	Encapsulated Tag
<b>Transmitting Package</b>	12 Bytes
<b>Data Size</b>	12 Bytes
<b>Battery</b>	One Industrial 2617 battery
<b>Vibration Sensor</b>	Available
<b>Temperature Sensor</b>	Available
<b>Antenna</b>	MiRFID™ PCB Antenna 7120
<b>Antenna Material</b>	PCB
<b>Operating Temperature</b>	-20°C to 85°C
<b>EAS</b>	No
<b>MCU</b>	8 bits 8051
<b>Tag Datarate</b>	Programmable from 2.4 – 500 kbps
<b>Tag Format</b>	Encapsulated
<b>Encapsulation Material</b>	PVC
<b>Final Inspection</b>	100% inspection.
<b>Printable Area</b>	Yes (optional)
<b>Packaging</b>	Singulated Encapsulated Tag
<b>Data Sheet Version</b>	MiA-EM-TBFVB-7176-2B1c-VT-03
<b>Date</b>	05 August 2014

A Product of:



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