AcuraGlobal
The Identification Company

Anatel Certification
0906-12-5125 ANATEL

SELO DE AcuraGlobal The Identification Company QUALIDADE TOTAL

M6e UHF Module

Designed to have a great performance as the more robust readers, is small and efficient enough to be used in portable applications. The Mercury6e features 4 outputs for antenna and provides Up to +30 dBm. Both interfaces, serial and USB, operated in board-to-board connections and board-to-host.

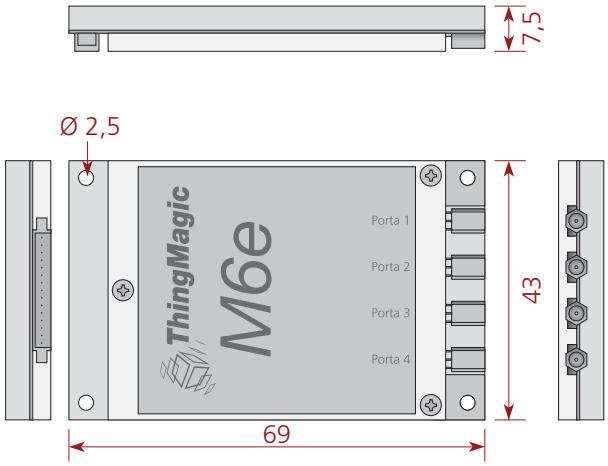
Purchase Code: 500.439

Technical specifications

Transponder Protocols	
RFID Protocol Support	EPCglobal Gen 2 (ISO 18000-6C) with DRM ISO 18000-6B IP-X option
RF Interface	
Antenna Connector	Four Connectors MMCX 50 Ohm that support four monostatics antennas
Output power RF	Levels of reading and writing separate, adjustable control 5 dBm to 30 dBm (1W), Accuracy of ±0.5 dBm for power above 15 dBm*
Regulation	FCC (NA, SA) 902-928 MHz ETSI (EU, India) 865,6 - 867,6 MHz TRAI (India) 865,6 - 867,6 MHz KCC (Koréa) 910-914 MHz ACMA (Australia) SRRC-MII (P. R. China) 920-925 MHz Anatel (BR) 902-907 MHz and 915-928 MHz "Free" (customizable) 865-869 MHz and 902-928 MHz
Data / Control Interface	
Physical	Low profile 15-pin connector for DC supply, communication, control and GPIO signals.
Communication	UART with logic levels 3.3 / 5 V starting from 9600 to 921,600 bps; USB 2.0 (up to 12 Mbps)
GPIOs	4 bidirectional ports 3.3 V configurable as input (sensor) or output (indicator) ports
Energy	
Alimentation	Voltage: 5V DC ± 5%
Consumption	DC source: 6,7 W @ 31,5 dBm 4,2 W @ Potency levels under +17 dBm 0,07 W in active mode 0,05 W in standby mode
Ambient	
Certificates	FCC 47 CFR Ch. 1 Parte 15 Industrie Canada RSS-21 0 ETSI EN 302 208 v1.4.1
Operating Temperature	-40°C to +60°C
Storage Temperature	-40°C to +85°C
Shock and Vibration	Designed to be embedded in devices that support falls 1.50 m in concrete.
Performance	
Maximum rate of reading Tags	Up to 750 tags / second using high performance configurations
Maximum Reading distance of Tags	Up to 9 m with antenna of 6 dBi (36 dBm EIRP)
Physical appearance	
Dimensions	69 x 43 x 7,5 mm

* The maximum power may have to be reduced in accordance with the regulamentários limits, which specify the combined effect of the module, antenna, cable, and protective encapsulation of integrated product.

Dimensions [mm]



e-mail: sales@acuraglobal.com I Tel.: +55 11 3028-4600 I www.ACURAGLOBAL.com