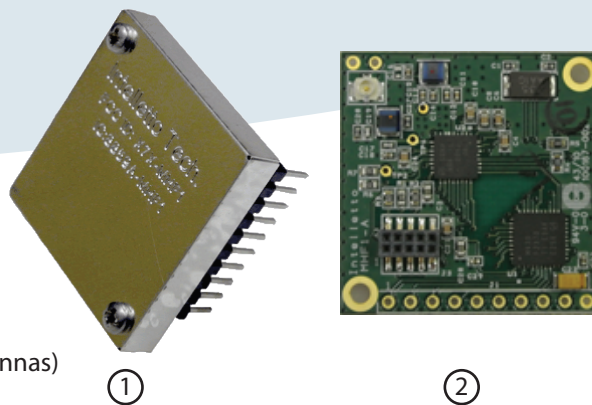
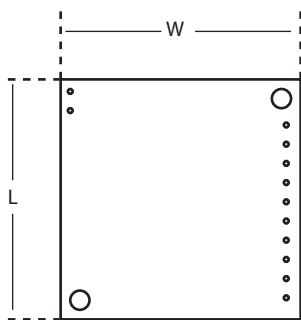


HF Reader Module (MHF1)



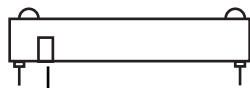
- ✓ Small Foot Print
- ✓ Full FCC class A/B and IC certificates (with approved antennas)
- ✓ Surpassed quality of reading multiple tags
- ✓ Low consumption



Bottom View



Side View



③ UMC access gap

Part Number	MHF1
Carrier Frequency	13.56 MHz
Max TX Power	200 mWatt (23dbm) with 5volt supply
Antenna Connector 1	Ultra Miniature Coax ③
Antenna Connector 2	0.1" Header
Dimension with Shield	31.7mm[1.25"] x 31.7mm[1.25"] x 7.1mm[0.28"] (L.W.H) ①
Dimension No Shield	25.4mm[1.00"] x 25.4[1.00"] x 5.6mm[0.22"] (L.W.H) ②
Storage Temp.	-40C to 85C
Operating Temp.	-20C to 70C
Regulatory Compliance	FCC: X7X-MHF1 IC: 8859A-MHF1 RoHS
Approved Antennas	Desktop: ANTH100-XX Embedded: ANTH2
Tag Protocol Support	ISO 15693 ISO 14443A/B HF EPC (Special FW) Tag-it FeliCa (Special FW) NFC Type 2
Communication	UART(TTL)
Supply	+3.3v to +5v
Digital I/O	4 programmable GPIO
Current Ratings @ 5V	Sleep: 3 mA Deep Sleep: 15 uA Idle: 6 mA R/W: 120 mA