

CSRM100

SPECIFICATIONS

Specification			
FUNCTION	Min	Typ	max
Voltage Supply	3.2V	3.3V	3.4V
Current Consumption		160 mA	180 mA
Current at Shutdown		175 uA	
Operating Temperature	-40°C		+85°C
Storage Temperature	-55°C		+105°C
RF Input VSWR			1:1.12 (25 dB)
Data Interface	TTL level: 0V – 3V Baud Rate: 115,200 bps Output Message: XML, ASCII, Binary (optional)		
Dimensions –inches (mm)	1.450 (36.8) x 1.188 (30.2) x 0.400 (4.2)		
Weight	0.78 oz, 22 g		
Approvals	CE, FCC, Industry Canada		

PIN	NAME	DESCRIPTION
1	GND	Ground
2	PPS	Pulse per second
3	RX1	GPS serial data in
4	TX1	GPS serial data out
5	TX2	Serial data out
6	RX2	Serial data in
7	RESET	Master Reset
8	GND	Ground
9	RF IN	406 MHz RF IN (50Ω)
10	GND	Ground
11	GND	Ground
12	PWR	+3.3V IN
13	EN	Module Enable
14	LED	LED – active low
15	GPIO1	General Purpose IO
16	GPIO2	General Purpose IO
17	GPIO3	General Purpose IO
18	OSC OUT	Oscillator output
19	GND	Ground

