



MOTOROLA



Not actual size

Features:

*Wide Area Data Delivery,
Switching, and Control*

*Uses Existing Paging
Infrastructure*

*900 MHz Frequencies/
Synthesized Receiver*

*Serial Data Interface/
RS232 Option*

*Extended Temperature
Range (-20°C to +70°C)*

*Remote Antenna
Options*

Markets:

MUNICIPALITIES

■ Irrigation ■ Lighting ■ Traffic Signalling

INDUSTRIAL/COMMERCIAL

■ HVAC Control ■ Utility Control ■ Equipment Control

AUTOMOTIVE

■ Vehicle Function Control ■ In-Vehicle Messaging

CRESTLINK

Specifications

Operating Frequency	929-932 MHz
Channel Spacing	25 KHz
POCSAG Paging Protocol	512 /1200/ 2400 Baud
Supply Voltage Reverse Battery Protection Load Dump Protection Double Battery Protection Reverse Transient Protection	12V +/- 10%
Current Drain Peak Receive, Outputs OFF Average Receive, Outputs OFF Maximum Allowable B+ or Ground Current NOTE 1	10mA 6 mA 6.0 Amps
Operating Temperature	-20° to 70°C (-4° to 158°F)
Storage Temperature	-40° to 85°C
First Oscillator Stability	+/- 2.5 ppm
Second Oscillator Stability	<300 Hz
Page Sensitivity (2400 baud) NOTE 2	15 µV/m
Direct Coupled (via optional antenna coupler)	-104 dBm
Adjacent Channel @ 25 KHz	>50 dBC
Co-Channel (Fc and +/- 3 KHz)	>-8 dBC
Blocking	> 70 dBC
Intermodulation +26 dB High Level Intermodulation +46 dB High Level Intermodulation	>50 dBC >50 dBC >50 dBC
Spurious Response	>40 dBC
Radiated Spurious Emissions	-46 dBµV/m

Inputs/Outputs

6 Customer Configurable Open Collector Outputs	350mA Current Sink or Source
2 Customer Configurable Open Collector Outputs	1.75A Current Sink or Source
2 Outputs Configuration Ports - NOTE 3	Connect to +12 or Ground
1 Serial Data Port (and programming line)	RS232 or TTL Output
1 RTS Output for Serial Data Operation	RS232 or TTL Output
1 CTS Input for Serial Data Operation	RS232 or TTL Output
1 Protocol Specific Input	0-12V Input Voltage
1 B+ Input	Per Supply Voltage Spec
1 Ground	Per Supply Voltage Spec

Specifications are subject to change.
This product has not yet received FCC Type Approval.

General

Physical Dimensions	4.75" x 3.25" x 1" (L x W x H)
Weight	4.6 ozs.
Antenna Connection	Internal (standard) External with BNC connector (option)
Interface	Automotive grade, 16-pin connector

NOTE 1 - IMPORTANT -

The maximum current capability of the B+ or ground pin is 6.0 Amps. The customer must use care to not allow this current limit to be exceeded during use.

NOTE 2 - Sensitivity measured by

output switching. Spec is Best Position, 1200 Baud, 20-page Hits Method.

NOTE 3 - Each of the eight outputs are

Customer Configurable in terms of being either current sources or current sinks.

