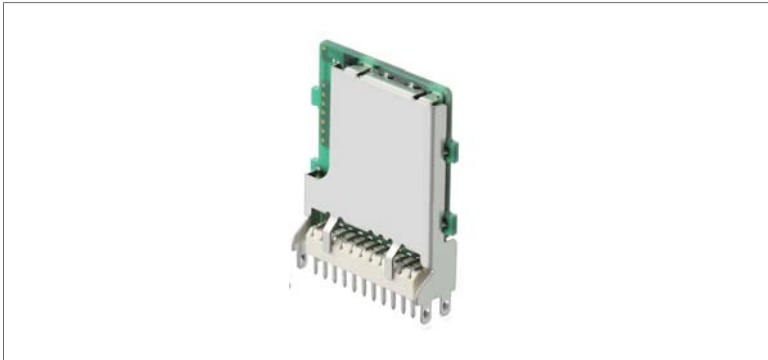# ALPS®

Bluetooth® All In One Module with Antenna for Automotive Use

NEW 2013

UGZZC-G Series

Built-in antenna and memory for more in an All In One module

Features

- Antenna integration helps to reduce the antenna verification workload of equipment manufacturers
- Built-in serial flash ROM for phone book data storage (up to 3,000 entries)
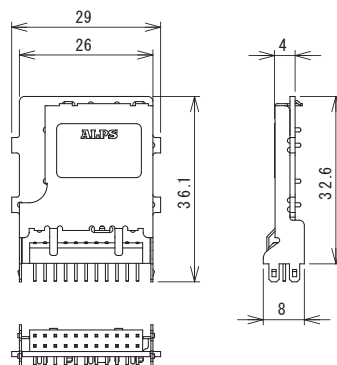- Smaller footprint with vertical mounting design

Applications

- Wireless communication between car audio or navigation systems and mobile devices
- Other communication devices for automotive use

Typical Specifications

Dimensions（W × D × H）	29.0 x 36.1 x 8.0mm
Specification	Version 2.1 +EDR
Host interface	UART
Frequency	2402 〜 2480 MHz
Supply voltage	3.3V
Data rate	1 〜 3 Mbps
No. of channels	79 ch
Output power	0dBm (class2)
Sensitivity	Typ. -70dBm (1Mbps, BER < 0.1%)
	Typ. -70dBm (2Mbps, BER < 0.01%)
	Typ. -70dBm (3Mbps, BER < 0.01%)
Operating temperature	-20 〜 +70 ℃

Dimensions

Unit：mm

Precautions when handling our products

1. For the export of products which are controlled items subject to foreign and domestic export laws and regulations, you must obtain approval and/or follow the formalities of such laws and regulations.
2. Products must not be used for military and/or antisocial purposes such as terrorism, and shall not be supplied to any party intending to use the products for such purposes.
3. Unless provided for otherwise, the products have been designed and manufactured for application in equipment and devices which are sold to end users in the market, including audio-visual (AV) equipment, electrical home appliances, office machines, information and communication equipment, and amusement equipment. The products are not intended for use in, and must not be used for, any application for nuclear equipment, driving equipment for aerospace or any other unauthorized use. With the exception of the abovementioned prohibited applications, please contact an Alps sales representative and/or evaluate the total system regarding applicability for applications involving high levels of safety and liability such as medical equipment, burglar alarm equipment, disaster prevention equipment and undersea equipment. Please also incorporate fail-safe design, protection and redundant circuitry, malfunction protection, and/or fire protection into the complete system to ensure safety and reliability of the total system.
4. Before using products which were not specifically designed for use in automotive applications, please contact an Alps sales representative.

Cautions for using this catalog

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2. The colors of the products in the catalog may slightly differ from those of the actual products.
3. The external appearance, functions and other specifications herein may be changed for improvement and other reasons without prior notice. Furthermore, the products herein may be discontinued without prior notice.
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6. The contents of this catalog are according to Alps Electric as of March 2013.
7. This catalog is valid until the end of December 31, 2013.