

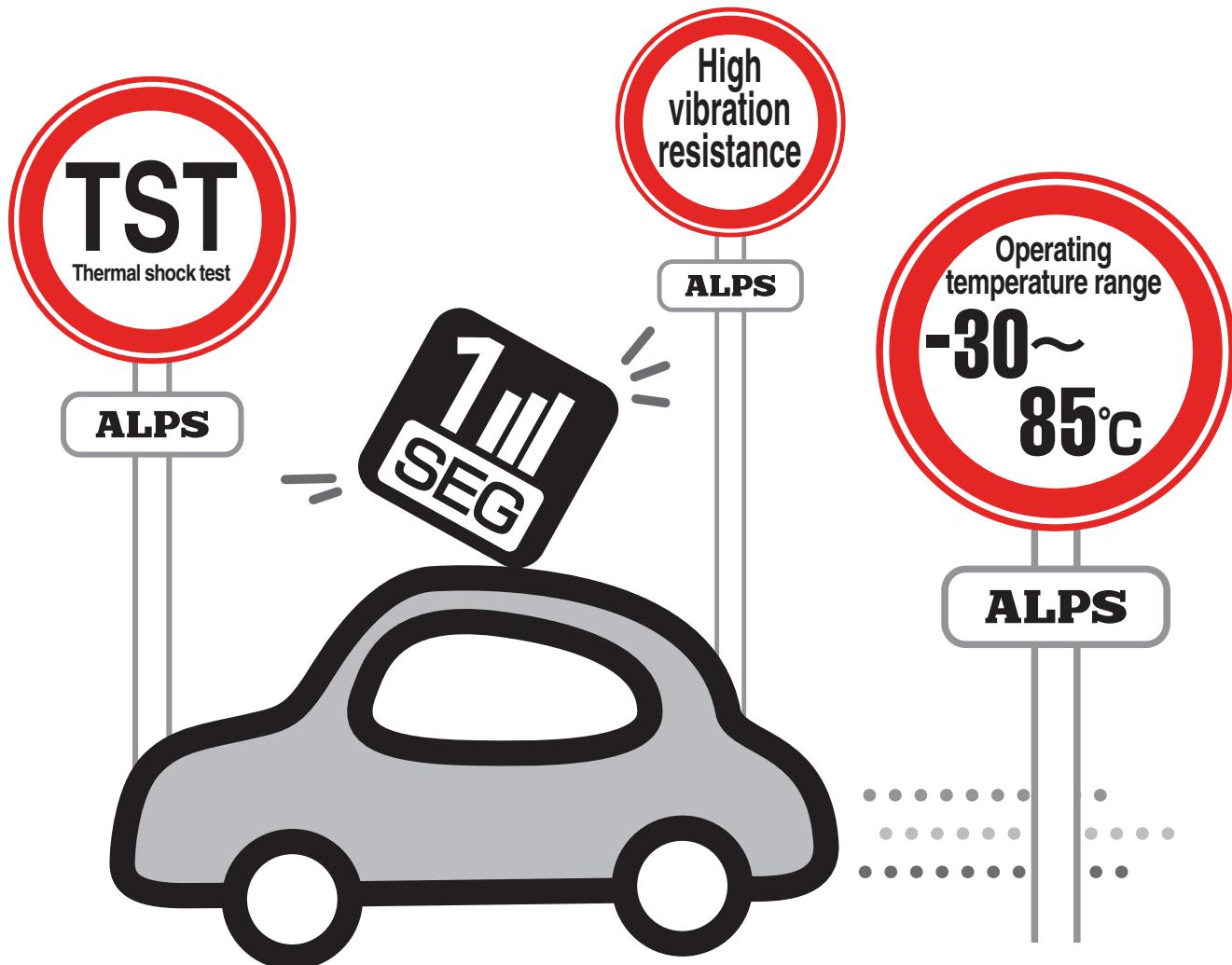
Automobile-Use TV Tuner for Digital Terrestrial Broadcasting (1-Seg)

TSL□ Series

ALPS[®]

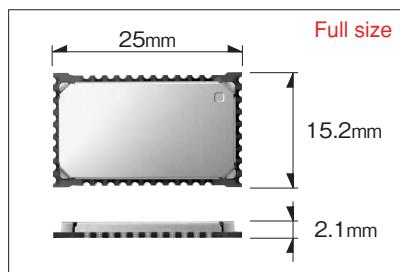
New
2006

1-Seg for automobiles. With the durability you've come to expect from ALPS.



This highly durable, compact and low-profile structure optimized for automobile use is achieved using field-proven HF technology.

- High durability for automobile environments (Operating temperature range: -30 to 85°C, thermal shock resistance, vibration resistance).
- Compatible with fast channel search.
- High Doppler shift tolerance effective for high-speed driving.
- Compact and low-profile with dimensions of 25×15.2×2.1mm (typ.).



* Explanatory note: "1-seg" is the abbreviation for 1-segment broadcasting, which is a digital terrestrial broadcast system for compact mobile devices such as mobile phones.

We offer broad implementation of 1-Seg through specifications specialized for automobile use.

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Applications

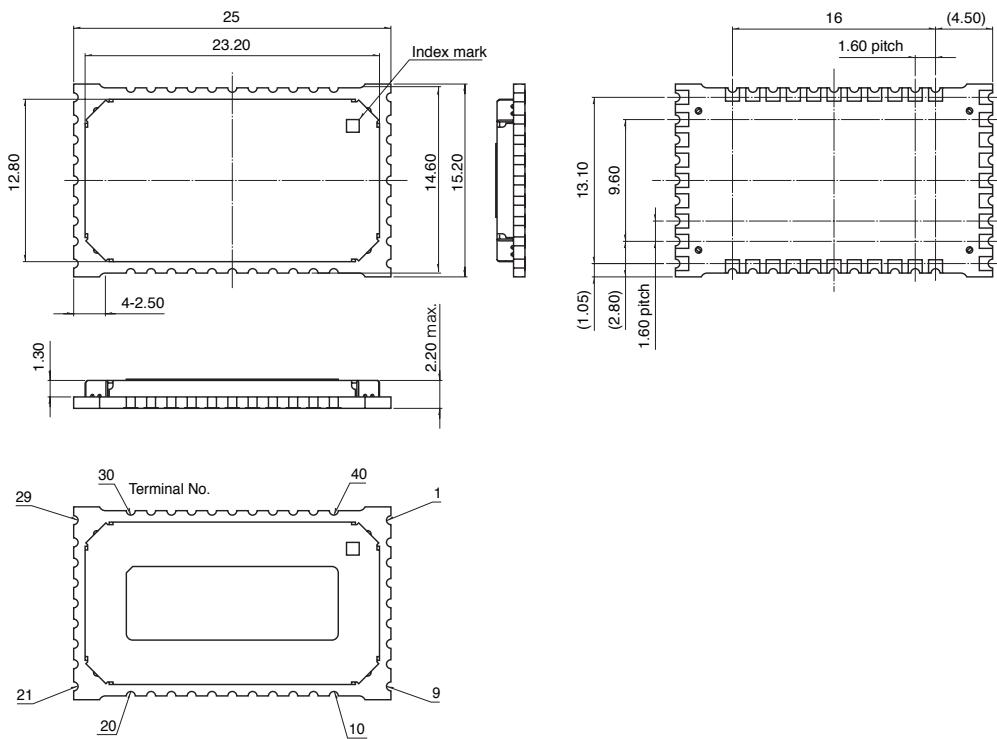
TVs for automobiles, portable navigation systems, portable DVD players

Typical Specifications

Items	Specifications
ANT input level	UHF 1 system
Receiving channel	UHF: 13-62ch.
Output	TS serial
Receiving Segment	Receiving 1Segment part
Minimum input sensitivity	-96.5dBm(13seg bandwidth)
C/N characteristics	4.5dB (MODE3, QPSK, CR, 1/2 IL2) performance for 1Seg
Power supply	Single power supply 2.85V

Dimensions

Unit:mm



Terminals			
1	N/C	21	N/C
2	GND	22	GND
3	RF AGC Monitor	23	PCKTERR
4	GND	24	PCKTSY
5	GND	25	DTEN
6	UHF ANT	26	MDAT
7	GND	27	MCLK
8	N/C(VHF ANT)	28	GND
9	N/C	29	NC
10	GND	30	B2±BE
11	GND	31	GND
12	GND	32	1.2V
13	DSSEL	33	GND
14	LOCK	34	N/C
15	RSTN	35	GND
16	EWS	36	N/C
17	INTR	37	GND
18	GND	38	2.85V
19	SDA	39	GND
20	SCL	40	GND

Cautions for Use

- Specification indicated in this catalog is outline only. When employing the product, use of an officially authorized specification for supply contract is recommended.
- Unless specifically indicated otherwise, products in this catalog have been designed and manufactured for use in ordinary electronic equipment and devices, such as AV equipment, electric home appliances, office machines, and communications equipment. Equipment manufacturers are consequently advised that when these products are planned for equipment that requires a high degree of safety and reliability, especially those apparatuses like medical equipment, aviation and aircraft equipment, space equipment, and burglar alarm equipment, the manufacturers should assure equipment safety by providing protection circuits and redundant circuitry and should fully study the suitability of such products for the intended equipment.
- The external appearance, performances, and other properties of the product may be changed for improvement without prior notice. The product introduced in this catalog may discontinue being produced without prior notice.
- All product names, company names and names of standards described in this catalog are trademarks or registered trademarks of their respective owners.
- Please contact us for any enquiries and queries on our products and their uses.
- This catalog is valid till the end of December 2006.

Inquiries about Products

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ALPS®

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