

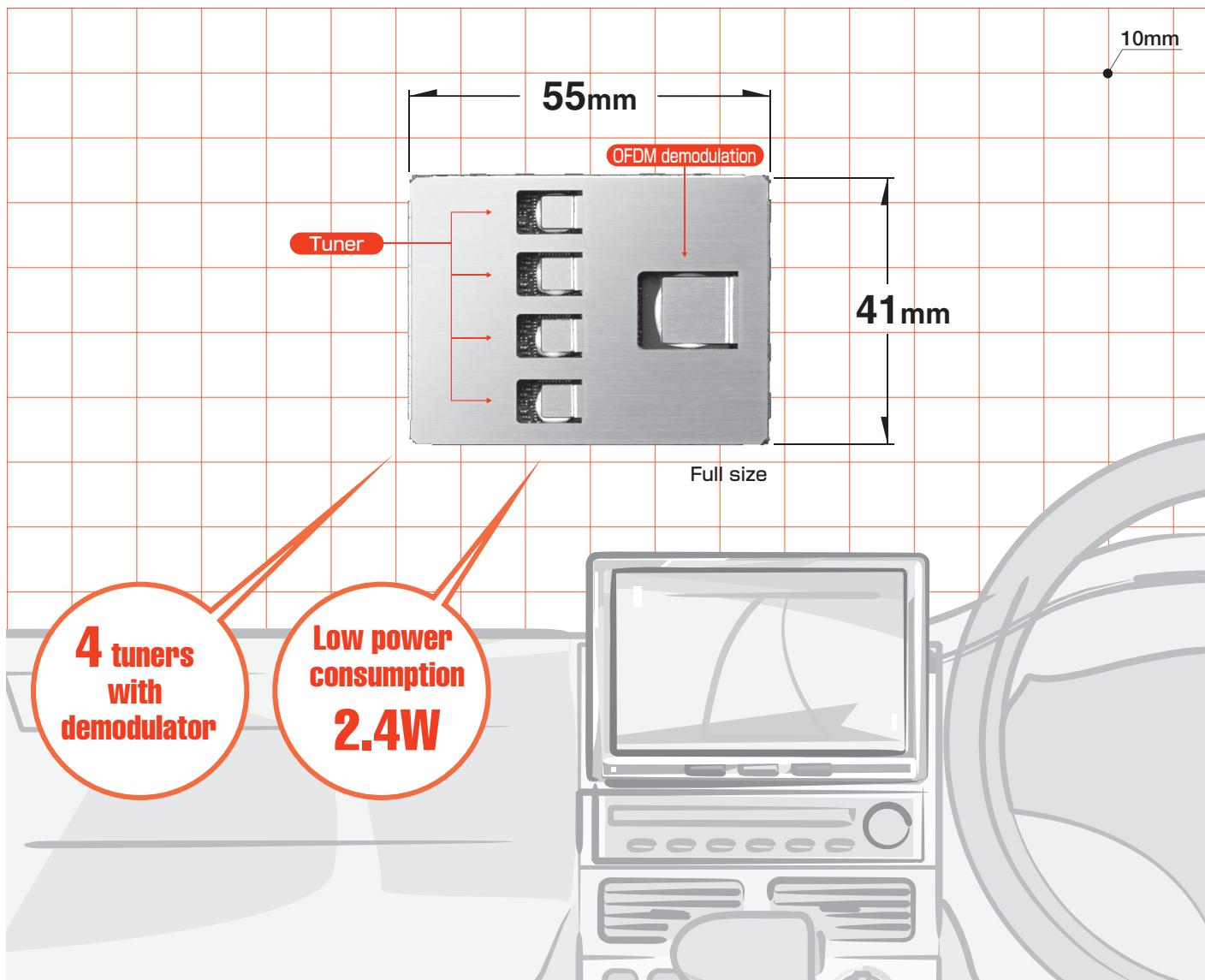
ALPS®

Automotive Use 4 Diversity TV Tuner for Terrestrial Digital Broadcasting

TSRN Series

New
2008

16ml with 4 tuners.

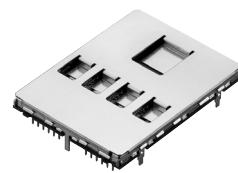


4-branch diversity TV tuner realizing stable reception from low speed to high speed and reception sensitivity improvement.

- Realizes smaller and thinner size of 55.1×41.6×7mm (W×D×H).
- Original "sealed and heat release structure" realized through temperature simulation.
- High multipath resistive.



Automotive Use 4 Diversity TV Tuner for Terrestrial Digital Broadcasting



TSRN Series

**Compatible with 4-branch diversity. Smaller and thinner shape,
and lower power consumption.**

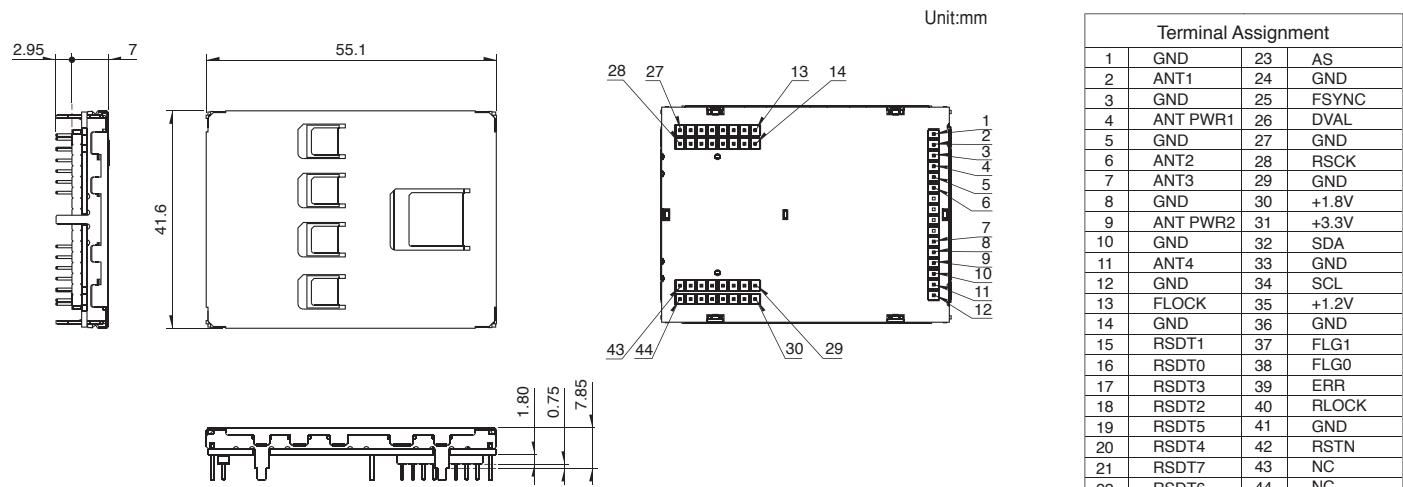
Applications

Car navigation systems, Car TV

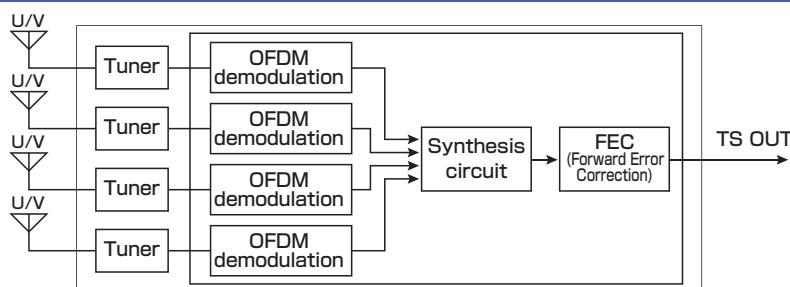
Typical Specifications

Items	Specifications
Receiving channel	UHF:13-62ch
Receiving segment	13-segment, 1-segment
Output	TS parallel, TS serial
Sensitivity	-88dBm typ.
Power consumption	2.4W typ.

Dimensions



Circuit block diagram



Cautions for Use

1. The specifications herein are an overview of the specifications. Obtain official specifications before use.
2. Unless specifically indicated otherwise, products herein have been designed and manufactured for use in ordinary electronic equipment, such as AV equipment, electric home appliances, office machines and communication equipment. In case of using the products for highly sensitive applications such as medical, aviation, aerospace and security, the set makers shall require to include measures necessary to meet product safety requirements of such specific applications. Such measure may include additional protection circuits and redundant circuits, for example.
3. The external appearance, performances, and other properties of the product are subject to change for improvement without prior notice. The product introduced in this catalog may be discontinued without prior notice.
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6. This catalog is valid till the end of December 2008.

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