

FM/AM Tuner for Radio DSP

TDGB2 Series



A high sensitivity tuner that works on frequency bands throughout the world, featuring a compact size with dimensions of 52×42×14mm.

for
Broadcasting
Use

Home Use
Digital Terrestrial
Tuners

Digital
CATV
Tuners

Digital
BS
Tuners

Automotive Use
Digital Terrestrial
Tuners

Antennas

Home Use
FM/AM
Tuners

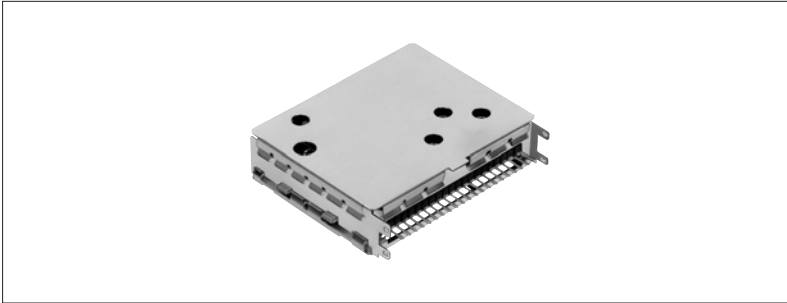
FM/AM Tuner
for HD Radio™
Broadcasting

Automotive
Use FM/AM
Tuners

for
Communication
Use

RF Module
for Data
Communication

Transceiver Units
for Cordless
Telephones



Features

- Applicable to frequency bands throughout the world.
- Built-in antenna with a digital auto alignment function.
- AGC threshold setting with the I²C bus.
- Excellent phase noise characteristics and high sensitivity with low-distortion characteristics.

Applications

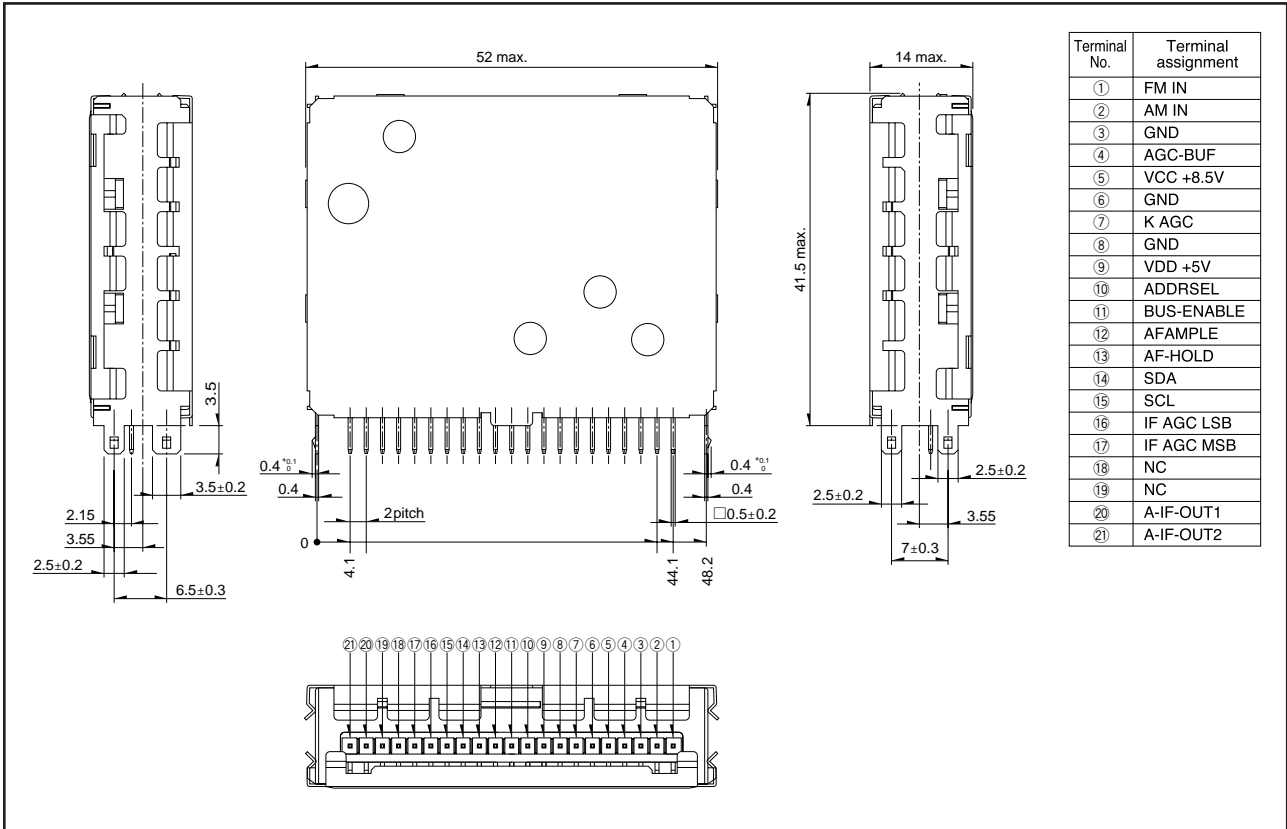
- For home audio and car audio equipment

Typical Specifications

Items	Model	TDGB2
Input frequency range (MW)		522 to 1710kHz
Input frequency range (FM)		76.0 to 108MHz
IF band width (AM&FM)		180kHz
IF output frequency (AM&FM)		10.7MHz
IF output level (AM&FM)		1.6V _{p-p}
Supply voltage		8.5V, 5.0V
Current consumption		50mA (8.5V) , 35mA (5.0V)

Dimensions

Unit:mm



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Product Line

Series	Tuning selection	Outline dimensions		ANT impedance (Ω)	Supply voltage (V)	Tuning voltage (V)	Page
		Mounting form	Dimensions (mm)				
TDGA2	FM 1 AM —	Vertical	52×42×14	FM 75 AM —	8.5 5.0	—	21
TDGB2							23
TFTE3			61×42×15				25

Notes

1. Please order a minimum of 500 pieces or more.
2. For export packing unit, please consult us.

Ordering Instructions

In order to provide a quicker response to your order, please fill in the essential items in the following check sheet.

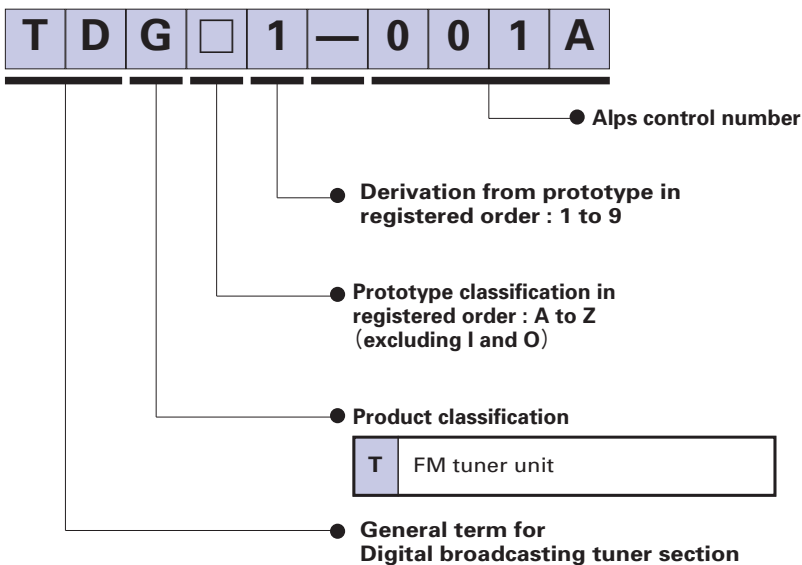
Check Sheet

No.	Items	Descriptions
1	Applications	<input type="checkbox"/> Car stereos with cassette tape players <input type="checkbox"/> Car stereos with CD players <input type="checkbox"/> Others ()
2	Destination	<input type="checkbox"/> U.S.A. (88MHz to 108MHz) <input type="checkbox"/> Europe (87.5MHz to 108MHz) <input type="checkbox"/> Japan (76MHz to 90MHz) <input type="checkbox"/> Others ()
3	Schedule	ES1 ES2 Approval P/P M/P / / / / /

Note

For customized specifications and details, please contact us.

Product Numbering System



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