

Data Communication Front End

TDE□ Series

Model with in-built diplexer and wide-band amp conforms to DOCSIS standard.

for Digital

Terrestrial Tuners

CATV Tuners

Data Communication Front Ends

BS Tuners
BS/CS
Converters



Features

- A DC-DC converter is built in.
- Vertical and horizontal types are available for the installation configuration.

Applications

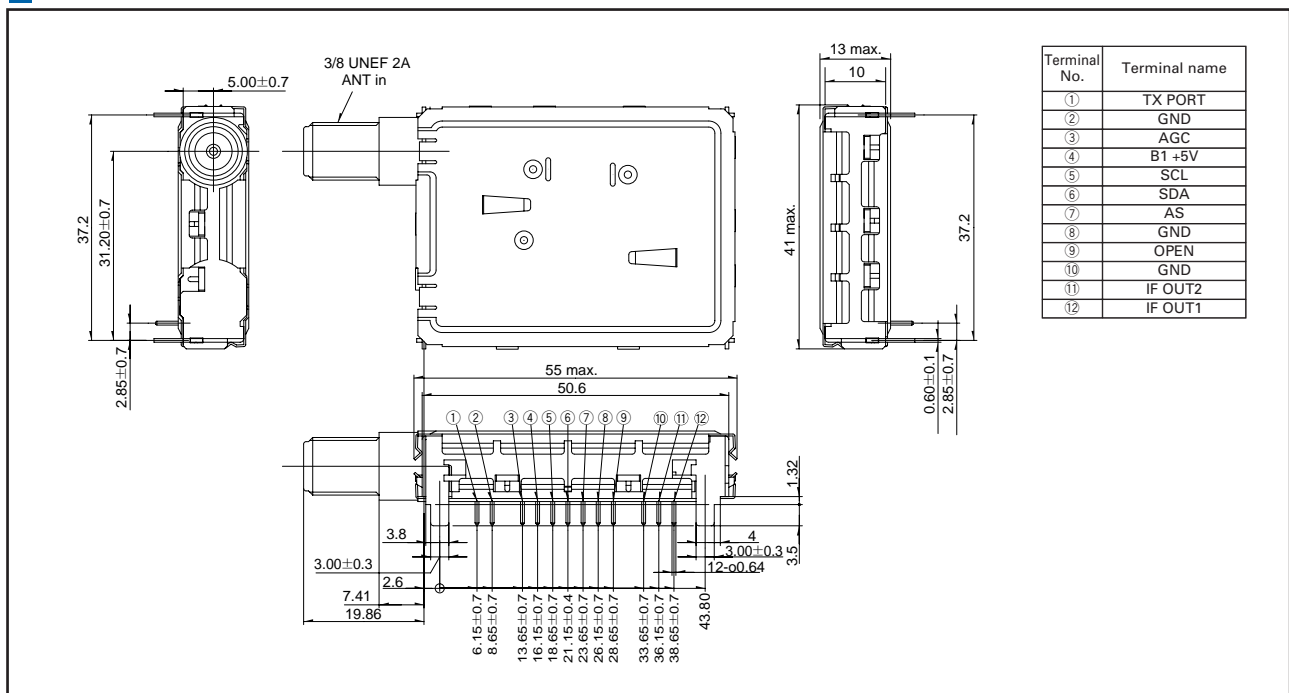
- Cable modem

Typical Specifications

Items	Model	U.S.A. (Modem)	Europe (Modem)	Japan (Modem)
		TDEY1	TDEZ1	TDEX1
Input frequency range		88~860MHz	96~864MHz	70~770MHz
Upstream frequency range		5~42MHz	5~65MHz	5~55MHz
Input return loss			6dB	
Output center frequency		44MHz	36.125MHz	44MHz
IF band width		6MHz	8MHz	6MHz
Flatness of output response		1dB typ.	1.5dB typ.	1dB typ.
Phase noise at 10kHz offset			-87dBc / Hz typ.	
Noise figure			7dB typ.	
Image rejection			60dB typ.	

Dimensions

Unit : mm



Product Line

Data Communication Front Ends

Model	Destination	Function	Input frequency range(MHz)	Output frequency range(MHz)	Form of ANT input	PLL Bus	Page
TDEY1	U.S.A. (Cable modem)	Tuner+ Diplexer+ wide-band amp	88~860	44	F-connector RCA-connector	I ² C	17
TDEZ1	Europe (Cable modem)		96~864	36.125			
TDEX1	Japan (Cable modem)		70~770	44			

Note
1,000 minimum order quantity.

Ordering Instructions

We can provide a quicker response to your order if you fill in the essential items on the following check sheet.

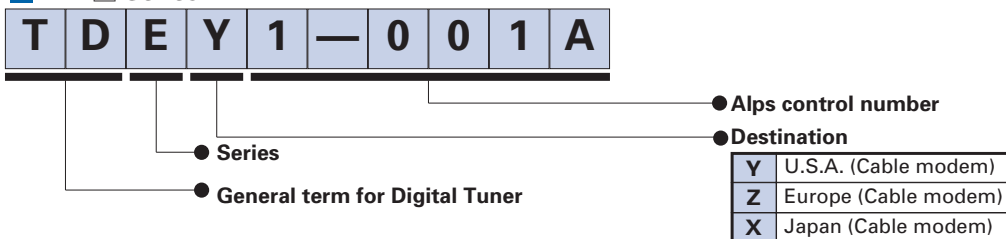
Check Sheet

No.	Items	Descriptions
1	Destination	<input type="checkbox"/> U.S.A. (Cable modem) <input type="checkbox"/> Europe <input type="checkbox"/> Japan
2	Output frequency (MHz)	<input type="checkbox"/> 44 <input type="checkbox"/> 36.125
3	Form of ANT input	<input type="checkbox"/> F-connector <input type="checkbox"/> RCA-connector
4	Schedule	ES1 ES2 Approval P/P M/P / / / / /

Note
Other special specifications and details are available upon request.

Products Numbering System

TDE□ Series



for Digital

Terrestrial Tuners

CATV Tuners

Data Communication Front Ends

BS Tuners
BS/CS
Converters

for Analog

TV Tuners

Multifunctional TV/VCR Tuner Units

RF Modulators

Home Use FM/AM Tuners

Automotive Use FM/AM Tuners

GPS Antennas