

DVB-S2 Digital BS Tuner Unit with Internal Demodulator

BSBE2 Series



Internal demodulator model contributing to improved set design flexibility through a variety of mounting types.

for
Broadcasting
Use

Home Use
Digital Terrestrial
Tuners

Digital
CATV
Tuners

Digital
BS
Tuners

Automotive Use
Digital Terrestrial
Tuners

Antennas

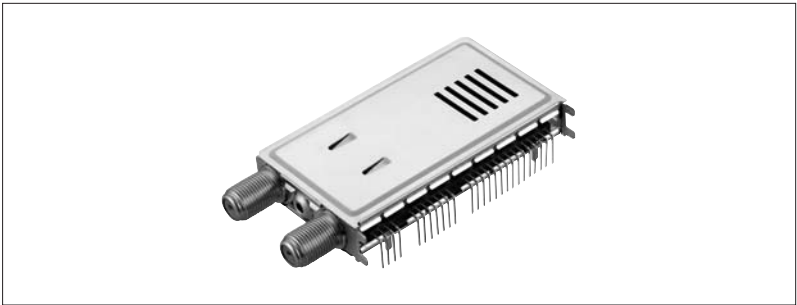
Home Use
FM/AM
Tuners

FM/AM Tuner
for HD Radio™
Broadcasting

Automotive
Use FM/AM
Tuners

for
Communication
Use

RF Module
for Data
Communication



Features

- DVB-S2 and DVB-S formats both supported, in size similar to that of our "BSBE1" series.
- Achieving effective heat dissipation through the structure of the tuner's exterior cladding.
- Excellent noise muffling capability due to shield structure.
- A variety of mounting types contribute to flexibility in set design.

Applications

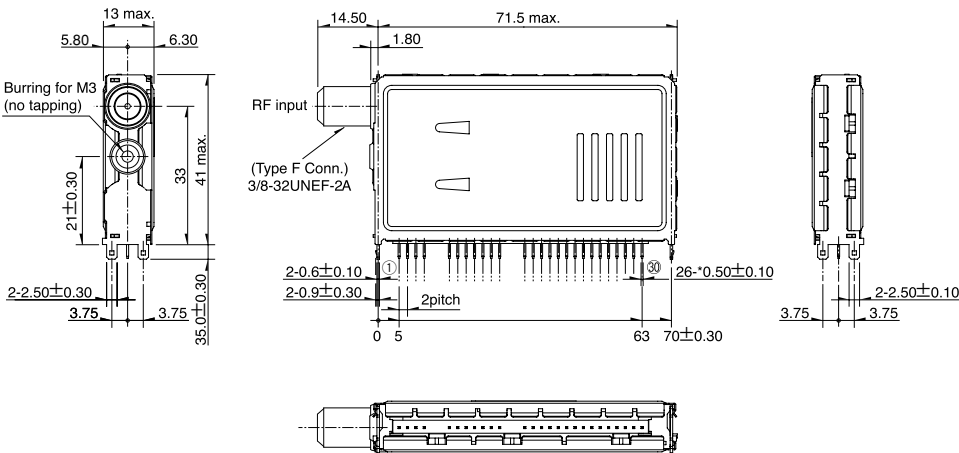
- For TVs, set top boxes and for DVD-S2 format satellite digital broadcasts

Typical Specifications

Items	Model	BSBE2
Input frequency range		950 to 2150MHz
Input level range		-65 to -25dBm
Input VSWR		2.0 typ.
Tuning control		I ² C bus
Demodulation format		DVB-S2, DVB-S
Demodulator IC		Conexant Systems CX24116
Symbol rate		4 to 30M sps
Symbol voltage		+3.3V, +1.25V

Dimensions

1 input vertical type



No.	Terminal assignment
①	LNB POWER (RF INPUT)
②	N/C
③	+B1 (RF-AMP)
④	+B2 (DCR)
⑤	
⑥	
⑦	RESET
⑧	ERROR
⑨	AS
⑩	DISEqCTx
⑪	DISEqC Rx
⑫	+BS (I/F)
⑬	GND
⑭	
⑮	
⑯	GND
⑰	+B4 (CORE)
⑱	SYNC
⑲	DATA VALID
⑳	DATA 7
㉑	DATA 6
㉒	DATA 5
㉓	DATA 4
㉔	DATA 3
㉕	DATA 2
㉖	DATA 1
㉗	DATA 0
㉘	CLK OUT
㉙	SDA
㉚	SCL

Product Line

Model	Destination	Form of ANT input	Input frequency range (MHz)	Outline dimensions (mm)	Volume (ml)	Function	Minimum packing unit (pcs.)	Page
BSBE2	World wide	1-input	950 to 2150	71.5×41.0	38	For DVB-S2, DVB-S IQ Demod. A/D Conv., 8PSK, QPSK Demod., FEC circuit direct conversion	100	11
		1-input/1-output						

Note

Please order a minimum of 1,000 pieces or more.

Ordering Instructions

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

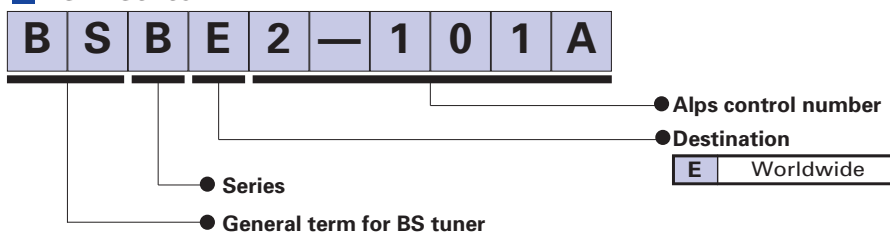
No.	Items	Descriptions				
1	Destination	☐ U.S.A.	☐ Europe	☐ Japan	☐ Korea	
2	Form of ANT input	☐ 1-input	☐ 1-input/1-output (Distributor)			
3	Mounting form	☐ Vertical	☐ Horizontal			
4	Symbol rate	☐ 1 to 45Mbauds	☐ 1 to 30Mbauds			
5	Schedule	ES1 /	ES2 /	Approval /	P/P /	M/P /
6	Others					

Note

Other special specifications and details are available upon request.

Product Numbering System

BSBE Series



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