
BS TUNER



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■ INTRODUCTION

This receiver get signal with PARABOLIC ANTENNA using satellite which floates at 35800Km from earth. It select and recieve the electric wave for stations which need transformed signal in 1GHz(1st IF) band through LNB and conduct the frequence amplifying and transformation. It also input 479.5MHz(2nd IF) of IF into FM demodulator and output baseband of signal.

■ FEATURE AND APPLICATION

● Feature

- Receiving Frequency : 900~2150MHz
- Intermediate Frequency : 479.5MHz
- IF Band Width : 27MHz One Band, 27/15MHz,27/18MHz Two Band
- Input Band : Two Input, One Input Type
- Small size : 18cc
- Easy application

● Application

- Analog Satellite Receiver

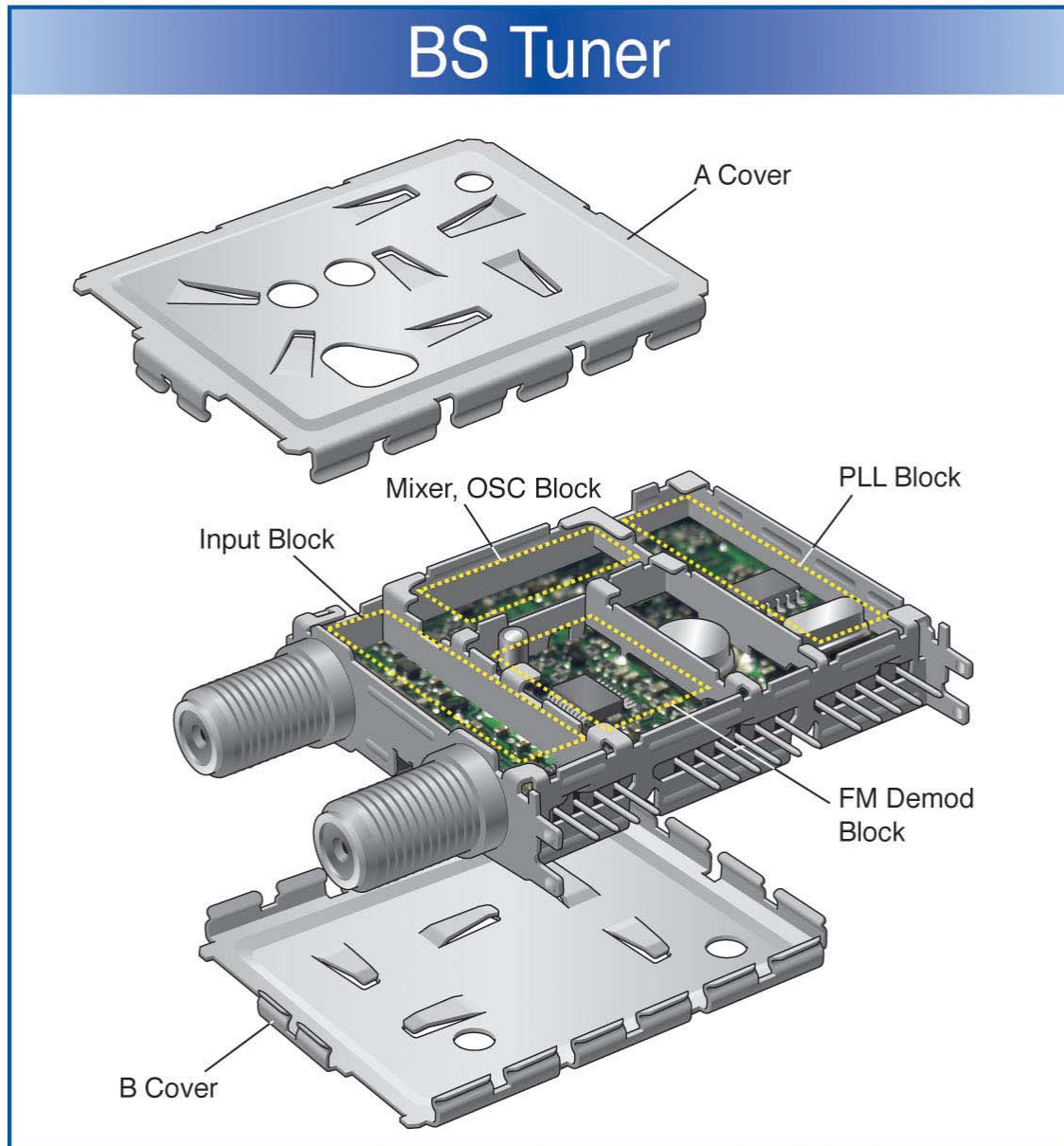
BS TUNER

■ SPECIFICATION

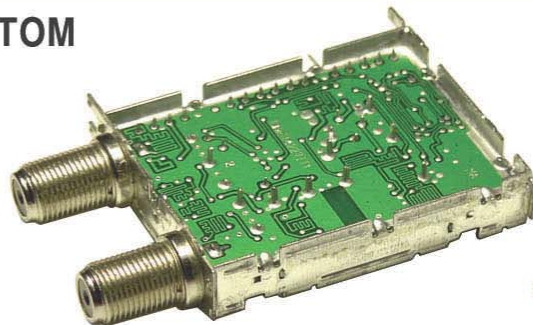
NO.	ITEM	SPECIFICATION	TEST CONDITION	REMARKS
1	Input Level	-30~ -60 dBm		
2	RF Input VSWR	MAX. 3		
3	S/N	MIN. 35dB	CN = 14 dB FM Deviation:16MHzp-p No Weighting	
4	Static Threshold	MAX. 8dB		
5	Image Rejection	TPY. 40dB	Desire : -40 dBm Undesire : -40 dBm	
6	Intermodulation Rejection	MIN. 40dB	Desire : -40 dBm Undesire : -40 dBm	
7	Adjacent Channel Rejection	MIN. 40dB	Desire : -40 dBm Undesire : -40 dBm	
8	Local Oscillation Signal Leakage at RF Input Terminal	MAX. -63dBm		
9	DG	MAX. 5 %		
10	DP	TYP. 5deg		

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■ STRUCTURE



■ BOTTOM



SAMSUNG
ELECTRO-MECHANICS

BS TUNER

■ PART NUMBERING

T **B** * * * * * * * * * *
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫

- ① TUNER
- ② BROADCASTING
- ③ REVISION (V or W)
- ④ SALES MARKET
- ⑤⑥ SIZE
- ⑦ INPUT TYPE
- ⑧ BAND TYPE
- ⑨ CH SELECTION SYSTEM 1
- ⑩ CH SELECTION SYSTEM 2
- ⑪ OPTION
- ⑫ REVISION NO

④ SALES MARKET

TYPE	
E	EUROPE
U	AMERICAN CONTINENT

⑤⑥ TUNER SIZE

TYPE	
18	18cc

⑦ INPUT TYPE

TYPE	
1	ONE INPUT
2	TWO INPUT

⑧ BAND TYPE

TYPE	
1	27MHz (ONE BAND)
2	DIGIT ④ "E" : 27/18MHz DIGIT ④ "U" : 27/15MHz

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⑨ CH SELECTION SYSTEM 1

TYPE	
0	I ² C,3-WIRE PLL
3	1/128 PRESCALER
6	1/256 PRESCALER
7	I ² C PLL PORT
9	MANUAL TUNNING

⑩ CH SELECTION SYSTEM 2

TYPE	
F	PRESCALER
I	I ² C PLL
M	MANUAL TUNNING
W	3-WIRE PLL

⑪ OPTION (I2C PLL , NORMAL "M")

TYPE	
N	BASIC TYPE
M	AFT OPTION
T	AFT & LOW THRESHOLD CONTROL OPTION

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■ BLOCK DIAGRAM

