

BSFH77G29 Satellite Tuner

FEATURES

- Digital AFT out
- Standup Package
- AGC sample out
- Internal tuning via PLL
- Compact, lightweight design (22 cc)

DESCRIPTION

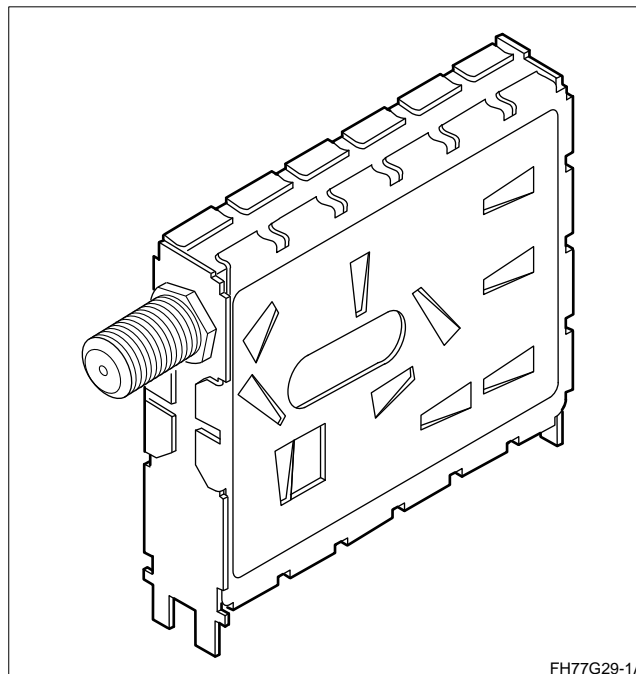
The BSFH77G29 is an integrated single conversion tuner and FM demodulator. It was designed for the reception of analog signals. It has a single input and a combined video and audio output. The input frequency range is 920 to 2,050 MHz. A 27 MHz switchable bandpass filter is positioned at the first IF. A digital AFT output is provided for evaluation of receiver system accuracy.

This tuner can be controlled by an internal TSA5055S PLL with I2C interface.

For more information on this product, please contact your local Sharp representative.

APPLICATIONS:

- Satellite receiver
- Data receiver
- Wide-band front end



FH77G29-1A

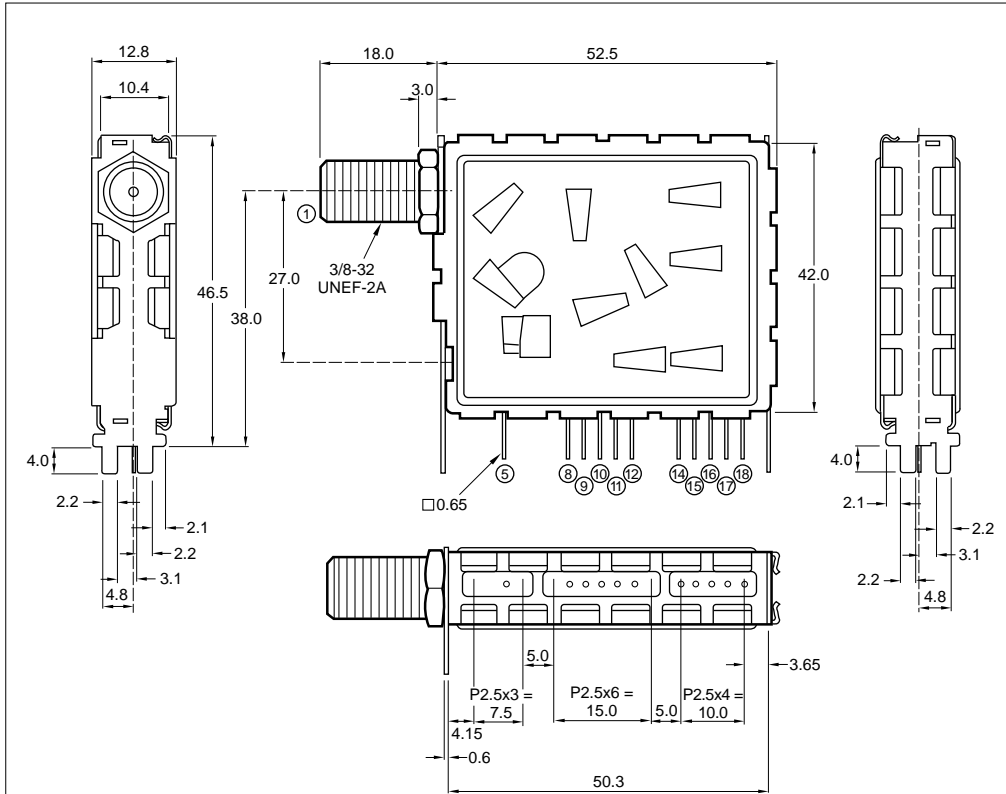
SPECIFICATIONS

Receiving Frequency Range	920 to 2,050 MHz
Input Level	-60 to -30 dBm
Input Impedance	75 Ω
Intermediate Frequency	479.5 MHz
Channel Selection System	Frequency synthesizer with I2C (Clock: 4 MHz)
Operating Supply Voltage	5 ±0.3 V
Operating ODU Voltage	25 V
Operating Tuning Voltage	28 ±1.4 V
IF Bandwidth	27 MHz
Demodulation System	PLL
Input Structure	F type female
Prescaler Division Ratio	-

PRODUCT INFORMATION

SHARP

BSFH77G29 MECHANICAL DIMENSIONS



NO.	NAME	I/O	VOLT (V)	NOTE
1	RF IN	I		
2				
3				
4				
5	B1 (LNB)	I		TO LNB
6				
7				
8	AFT OUT 1	O		DIGITAL AFT
9	AFT OUT 2	O		DIGITAL AFT
10	AGC	O		AGC OUT
11	B2	I	+5	
12	BASE BAND	O		BB OUT
13				
14	SDA	I/O		
15	TUN	I	+28	
16	SCL	I		
17	P7	I/O		
18	P5	I/O		

NOTE: Dimensions are in mm.

FH77G29-2A

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