

BSFH77G04

Satellite Tuner

FEATURES

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

DESCRIPTION

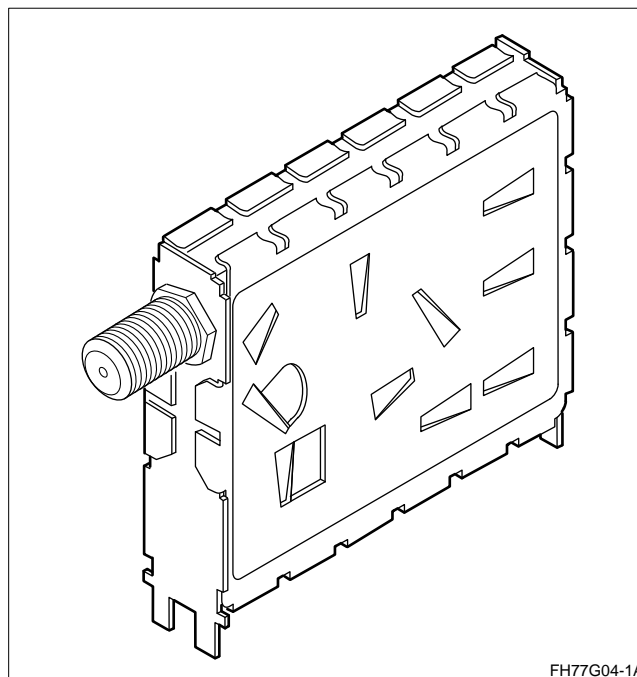
The BSFH77G04 is an integrated single conversion tuner and FM demodulator. It was designed for the reception of analog signals. It has a single input and a combined video and audio output. The input frequency range is 920 to 2,050 MHz. A 27 MHz bandpass filter is positioned at the first IF. A digital AFT output is provided for evaluation of receiver system accuracy.

This tuner can be controlled by an internal LC7215 three wire PLL and a 1/256 prescaler.

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

APPLICATIONS:

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



FH77G04-1A

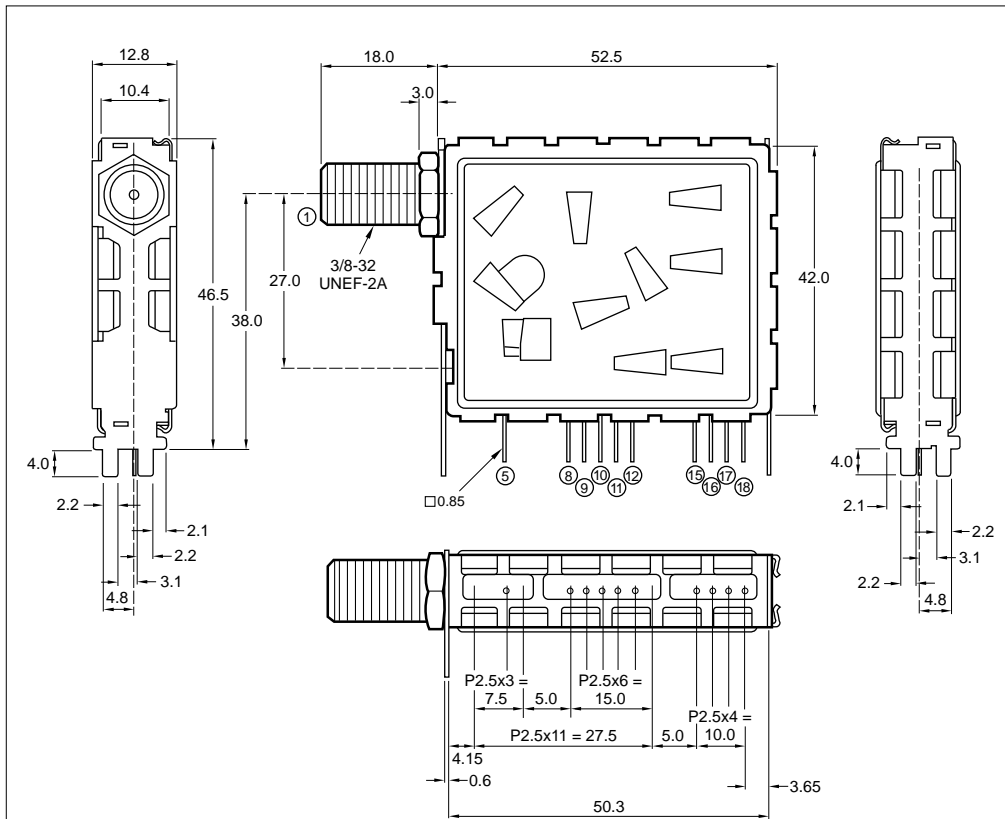
SPECIFICATIONS

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 LC7215 (Clock: 11.16 MHz)
Operating Supply Voltage	5 \pm 0.3 V
Operating ODU Voltage	25 V
Operating Tuning Voltage	28 \pm 0.5 V
IF Bandwidth	27 MHz
Demodulation System	PLL
Input Structure	F type female
Prescaler Division Ratio	1/256

PRODUCT INFORMATION

SHARP

BSFH77G04 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				
15	TUN	I	+28	
16	ENABLE	I		
17	CLOCK	I		
18	DATA	I		

NOTE: Dimensions are in mm.

FH77G04-2A

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