

# BSFL77G12

## Satellite Tuner

### FEATURES

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

### DESCRIPTION

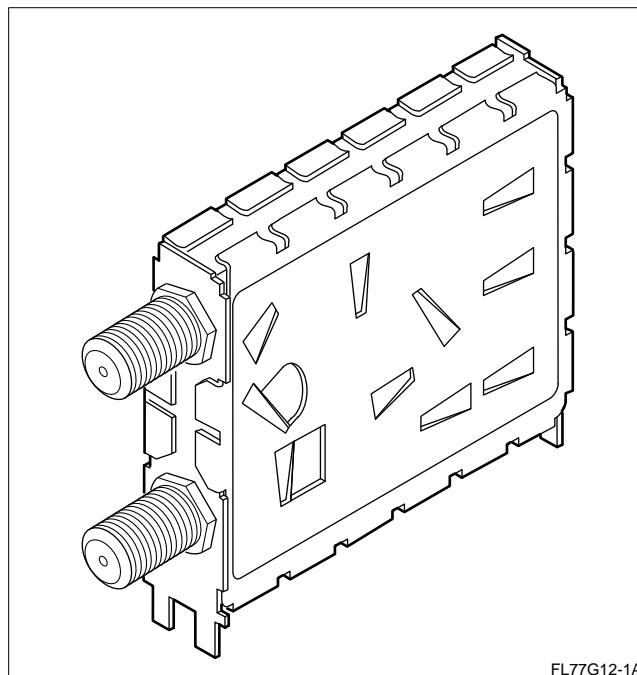
The BSFL77G12 is an integrated single conversion tuner and FM demodulator. It was designed for the reception of analog signals. It has a dual input and a combined video and audio output. The input frequency range is 950 to 2,050 MHz. A 27/18 MHz dual bandpass filter is positioned at the first IF. Bandwidth selection is made by applying an external voltage on an external pin. A digital AFT output is provided for evaluation of receiver system accuracy.

This tuner can be controlled by external three wire PLL interface. A 1/256 prescaler is internal to this tuner and provides the ability to interface with a PLL.

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

### APPLICATIONS:

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



FL77G12-1A

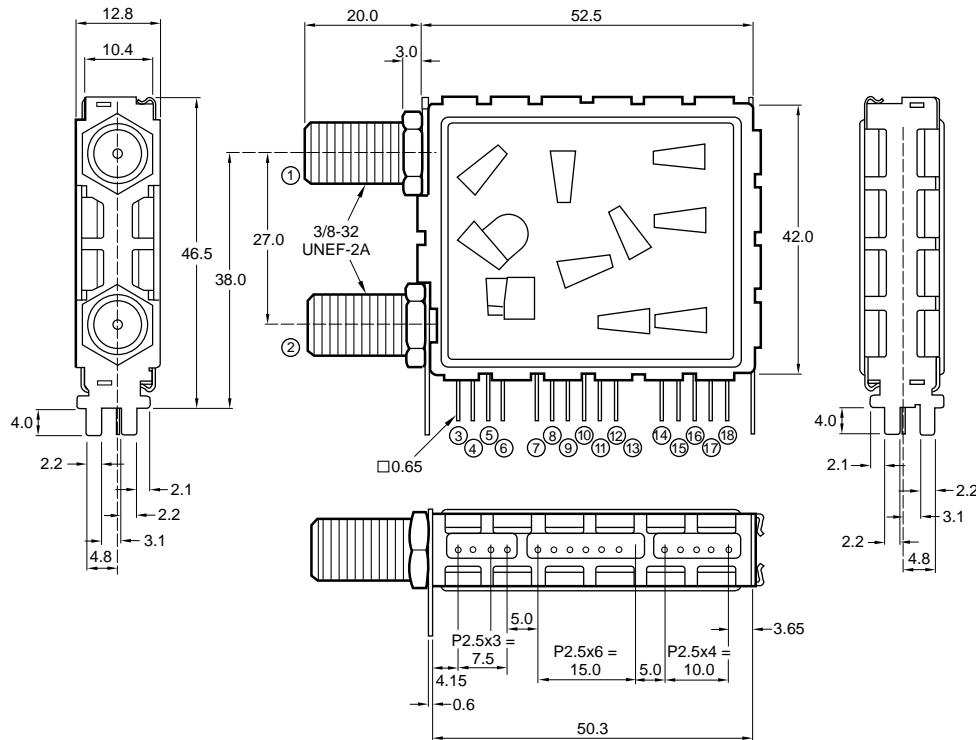
### SPECIFICATIONS

Receiving Frequency Range	950 to 2,050 MHz
Input Level	-60 to -30 dBm
Input Impedance	75 $\Omega$
Intermediate Frequency	479.5 MHz
Channel Selection System	Electronic tuning for frequency synthesizer
Operating Supply Voltage	5 $\pm$ 0.3 V
Operating ODU Voltage	25 V
Operating Tuning Voltage	0.6 V to 28 V
IF Bandwidth	27/18 MHz
Demodulation System	PLL
Input Structure	F type female
Prescaler Division Ratio	1/256

# PRODUCT INFORMATION

# SHARP

## BSFL77G12 MECHANICAL DIMENSIONS



NO.	NAME	I/O	VOLT (V)	NOTE
1	RF INPUT A	I		
2	RF INPUT B	I		
3	B1A	I		TO LNB
4	SWA	I	5/0	
5	B1B	I		TO LNB
6	SWB	I	5/0	
7	LT	I	0 ~ 5	
8	AFT OUT (AFT 1)	O		DIGITAL AFT
9	AFT OUT (AFT 2)	O		DIGITAL AFT
10	AGC	O		AGC OUT
11	B2	I	+5	
12	BASE BAND	O		BB OUT
13				
14	BW	I	0.6 ~ 28	
15	TUN	I		
16				
17				
18	PSC	O		PSC OUT

NOTE: Dimensions are in mm.

FL77G12-2A

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