

BSFG77G01

Satellite Tuner

FEATURES

- Digital AFT out
- Standup Package
- AGC sample out
- Compact, lightweight design (22 cc)
- Electronic tuning for frequency synthesizer

DESCRIPTION

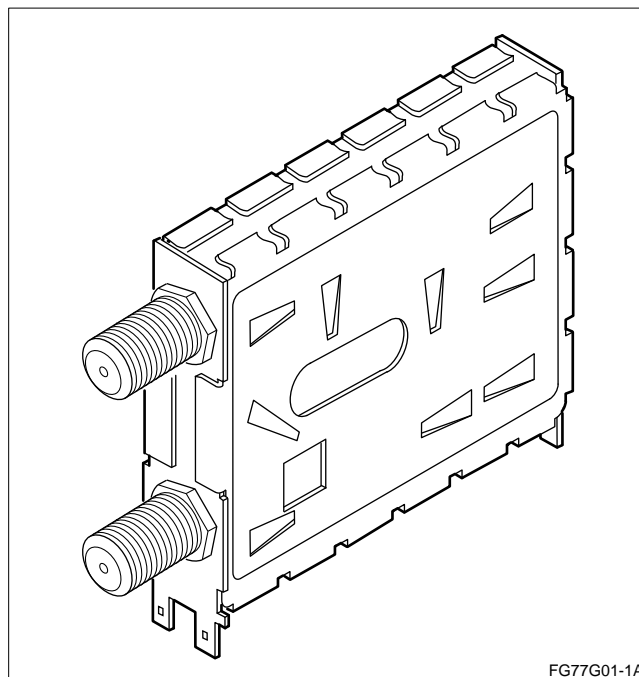
The BSFG77G01 is an integrated single conversion tuner and FM demodulator. It was designed for the reception of analog signals. It has a dual input and a combined video and audio output. The input frequency range is 950 to 2,050 MHz. A 27 MHz bandpass filter is positioned at the first IF. A digital AFT output is provided for evaluation of receiver system accuracy.

This tuner can be controlled by external three wire PLL interface. A 1/128 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



FG77G01-1A

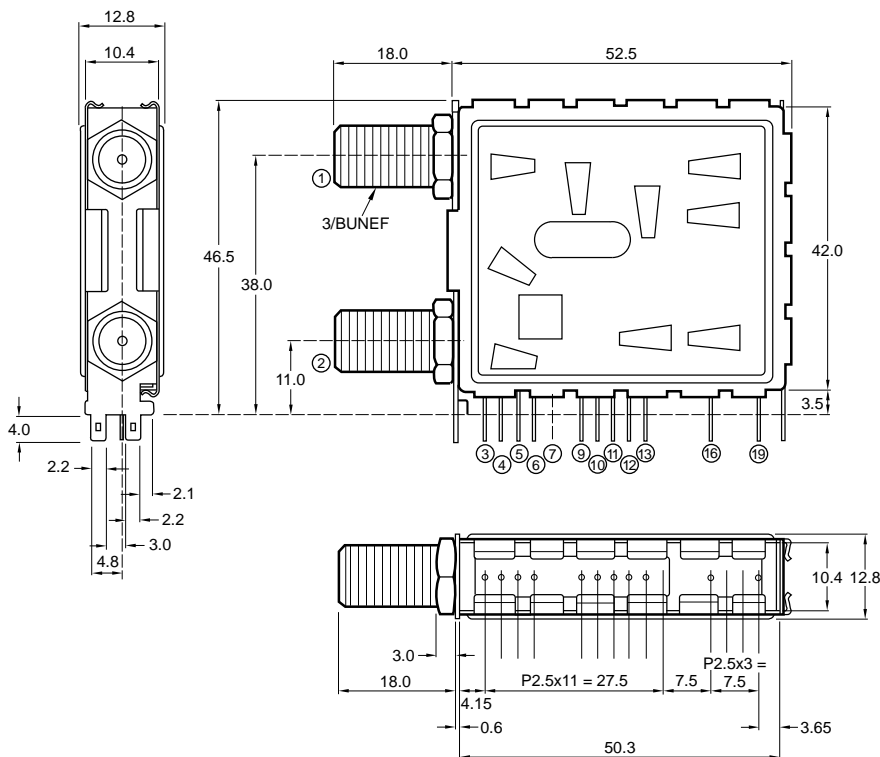
SPECIFICATIONS

Receiving Frequency Range	950 to 2,050 MHz
Input Level	-60 to -30 dBm
Input Impedance	75 Ω
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 to 20 V
IF Bandwidth	27 MHz
Demodulation System	PLL
Input Structure	F type female
Prescaler Division Ratio	1/128

PRODUCT INFORMATION

SHARP

BSFG77G01 MECHANICAL DIMENSIONS



NO.	NAME
1	RF INPUT A
2	RF INPUT B
3	B/A (LNB)
4	SWA (+5 V/0 V)
5	B1B (LNB)
6	SWB (+5 V/0 V)
7	
8	
9	AFT OUT (AFT 1)
10	AFT OUT (AFT 2)
11	AGC
12	B2 (+5 V)
13	BASE BAND
14	
15	
16	TUN
17	
18	
19	PSC OUT

NOTE: Dimensions are in mm.

FG77G01-2A

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