

BSEJ77G19

Satellite Tuner

APPLICATIONS:

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

FEATURES

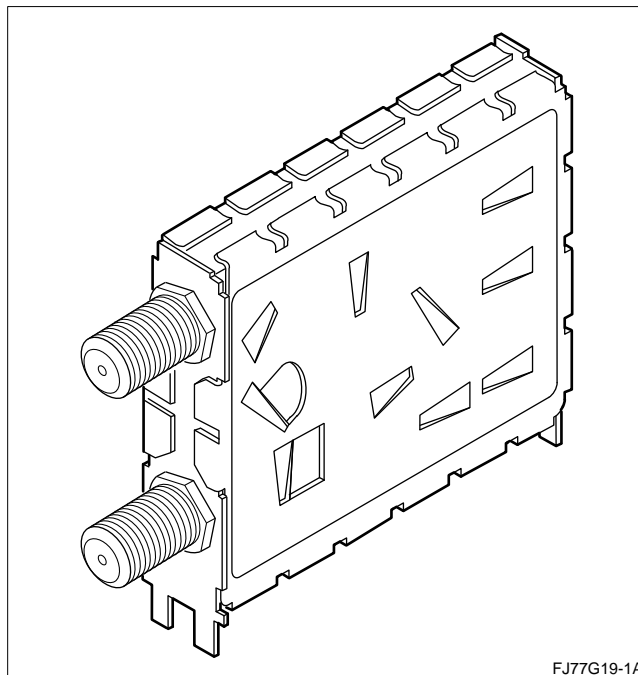
- Digital AFT out
- Standup Package
- AGC sample out
- Compact, lightweight design (22 cc)
- Electronic tuning for frequency synthesizer

DESCRIPTION

The BSEJ77G19 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 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 is 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.



FJ77G19-1A

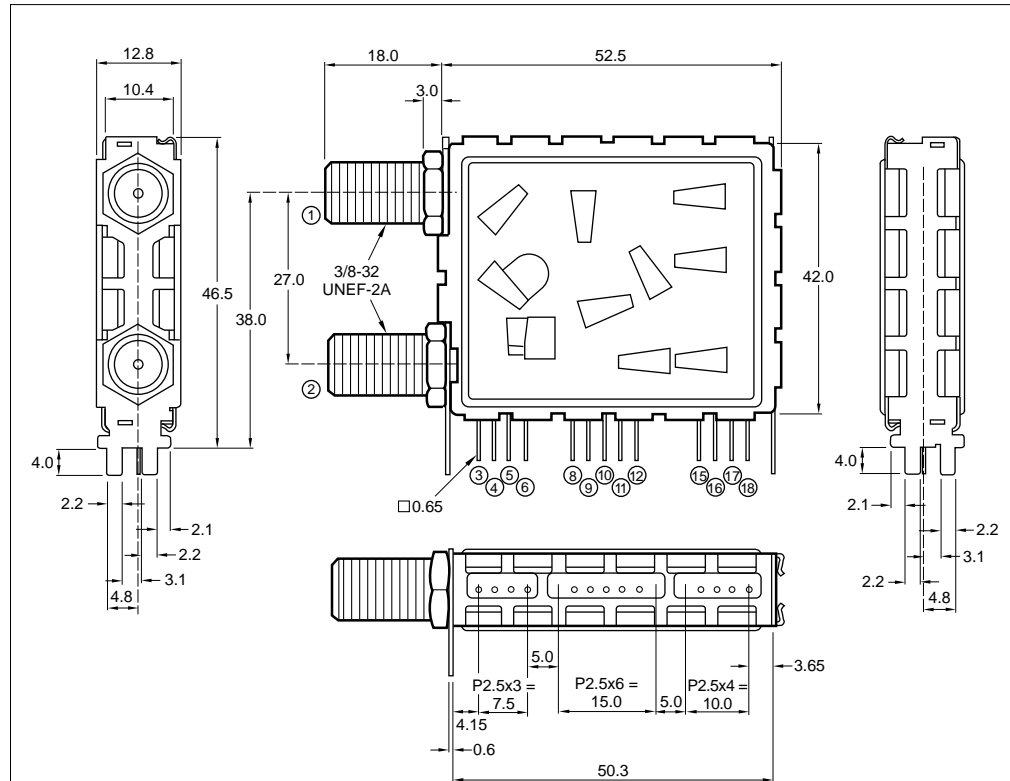
SPECIFICATIONS

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	Electronic tuning for frequency synthesizer
Operating Supply Voltage	5 ±0.3 V
Operating ODU Voltage	25 V
Operating Tuning Voltage	0.4 to 28 V
IF Bandwidth	27 MHz
Demodulation System	PLL
Input Structure	F type female
Prescaler Division Ratio	1/128

PRODUCT INFORMATION

SHARP

BSFJ77G19 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				DIGITAL AFT
8	AFT OUT (AFT 1)	O		DIGITAL AFT
9	AFT OUT (AFT 2)	O		
10		O		
11	AGC	I	+5	
12	B2	O		
13	BASE BAND			
14				
15	TUN	I	0.4 - 28	
16				
17				
18	PSC OUT	O		

NOTE: Dimensions are in mm.

FJ77G19-2A

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