

# BSFH78G23

## Satellite Tuner

### FEATURES

- Digital AFT out
- Standup Package
- AGC sample out
- Compact, lightweight design (22 cc)
- Frequency synthesizer with LC7215

### DESCRIPTION

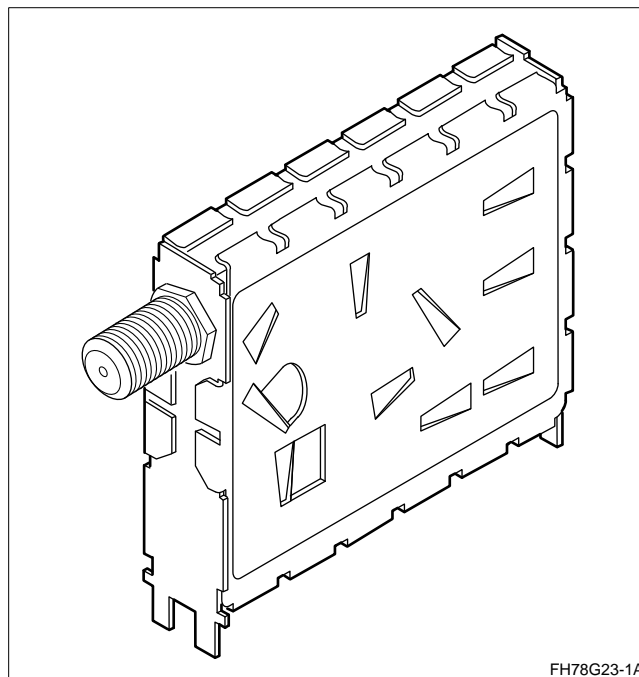
The BSFH78G23 is an integrated single conversion tuner and FM demodulator. It was designed for the reception of analog signals. It has a single input and a combined video and audio output. The input frequency range is 900 to 2,150 MHz. A 27/18 MHz switchable bandpass filter is positioned at the first IF. Bandwidth selection is made by applying an external voltage via an external pin. A digital AFT output is provided for evaluation of receiver system accuracy.

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

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

### APPLICATIONS:

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



FH78G23-1A

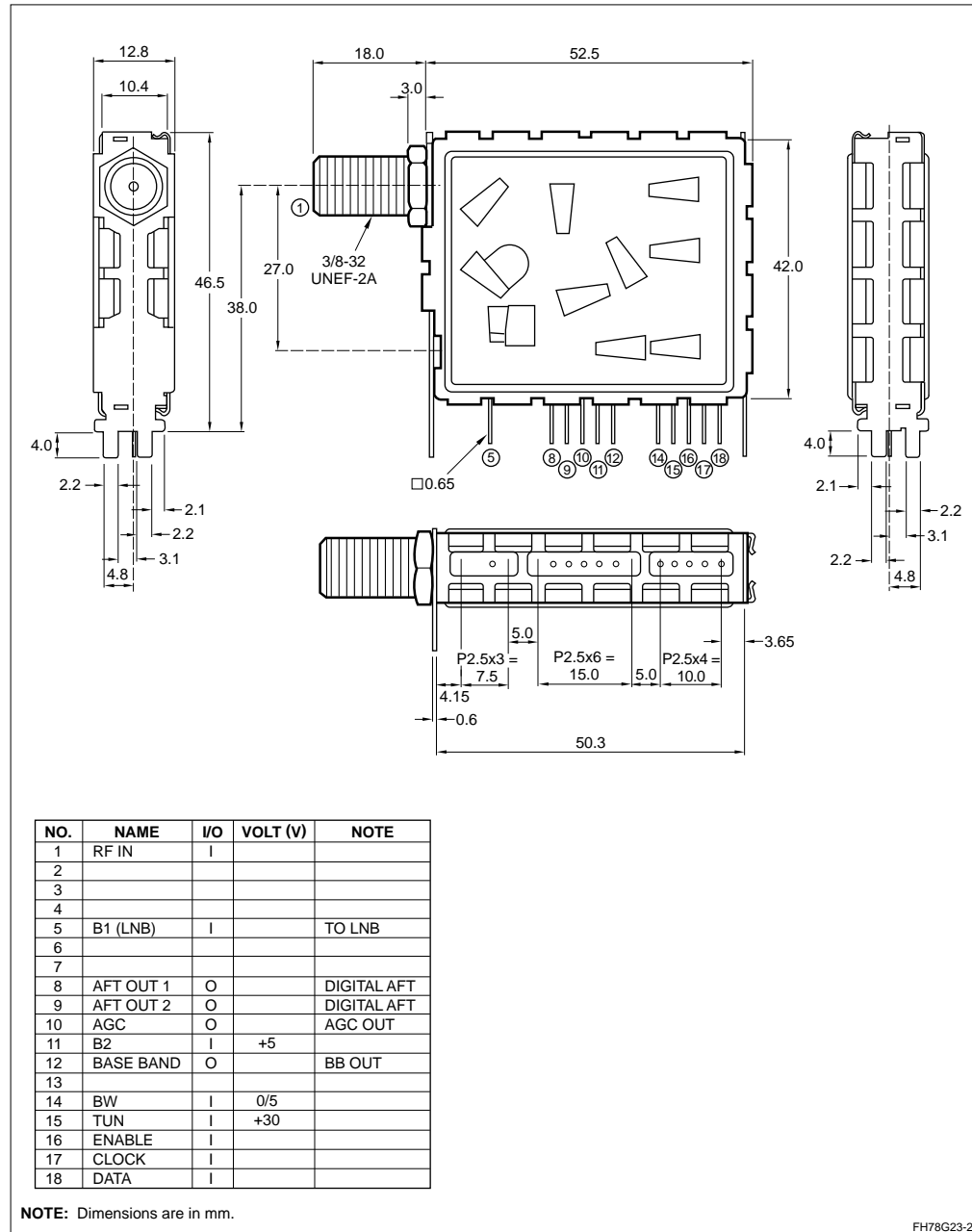
### SPECIFICATIONS

Receiving Frequency Range	900 to 2,150 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 ±0.3 V
Operating ODU Voltage	25 V
Operating Tuning Voltage	30 ±1.5 V
IF Bandwidth	27/18 MHz
Demodulation System	PLL
Input Structure	F type female
Prescaler Division Ratio	256

# PRODUCT INFORMATION

# SHARP

## BSFH78G23 MECHANICAL DIMENSIONS



### Sharp Electronics Corporation Regional Sales Offices

#### North American Headquarters

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Product Information: 1-800-642-0261

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