

APPLICATIONS:

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

BSFC-Series Single Conversion IF Output Satellite Tuner

NEW HIGH PERFORMANCE TUNERS WITH VERSATILITY FOR HANDLING ANALOG OR DIGITAL VIDEO.

FEATURES

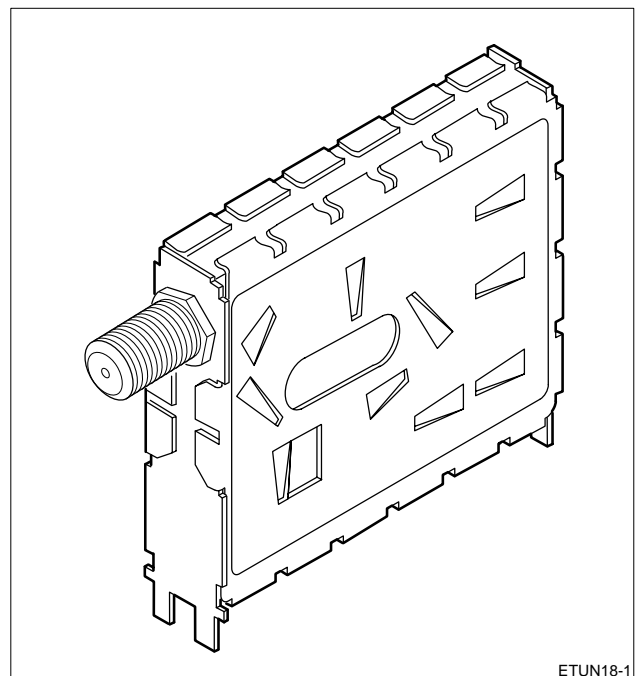
- First LO PLL tuning
- Low noise figure, 9 db typical (model dependent)
- 50 db typical AGC range
- RF and IF AGC provided in all models
- Conversion gain range from 20 db to 70 db, typical
- Low phase noise
- Input and output impedance: 75 Ω
- Maximum input level: -20 dBm

New BSFC-Series tuners use SHARP's latest technology to provide reception of either modulated analog or digital data streams. Four different tuner models with varying performance characteristics can be used as receivers for analog or digital video, and for data streams.

Each tuner's local oscillator is phase-lock loop-tuned using a 3-wire serial bus. The conversion intermediate frequency is filtered and provided on a pin at 479.5 MHz. In addition, IF ACG control is provided.

Both horizontal and vertical (pictured) package styles are available, along with a wide variety of SAW filters. Dual input versions may be available upon request. Filter configurations not shown in the model selection guide on back may also be available upon request.

STANDARD BSFC VERTICAL PACKAGE



ETUN18-1

PRODUCT INFORMATION

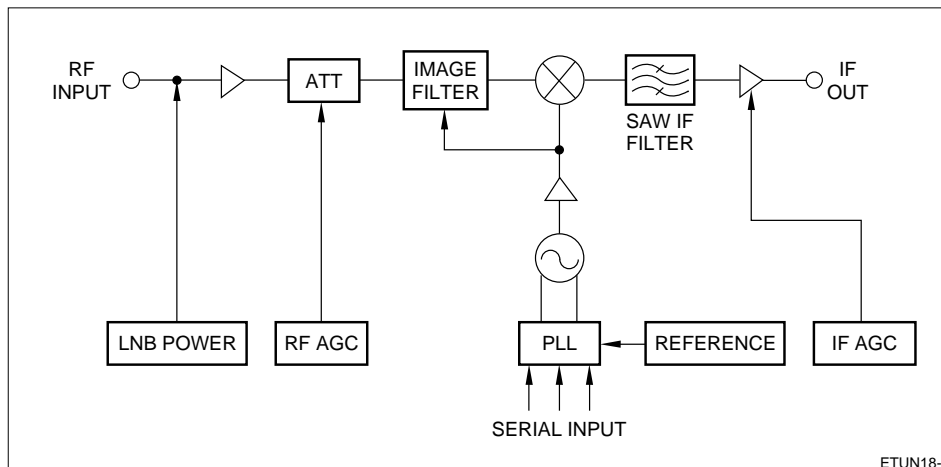
SHARP

MODEL SELECTION GUIDE

MODEL	INPUT FREQUENCY, MHz	BANDPASS FILTER, MHz	PACKAGE STYLE	POWER SUPPLY VOLTAGES
BSFC77GV6	950 - 2050	55	Vertical	5, 28
BSFC77GV8	950 - 2050	55	Horizontal	5, 28
BSFC78GW4	950 - 2150	27/36	Horizontal	5, 28
BSFC78GW6	950 - 2150	55	Horizontal	5, 28

Windows software for tuning the PLLs in the above listed models in a laboratory or test environment is available upon request.

BASIC BLOCK DIAGRAM



Sharp Electronics Corporation Regional Sales Offices

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