

PRODUCT INFORMATION

SHARP

RF Components
Group

BSFH77G15 Satellite Tuner

FEATURES

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

DESCRIPTION

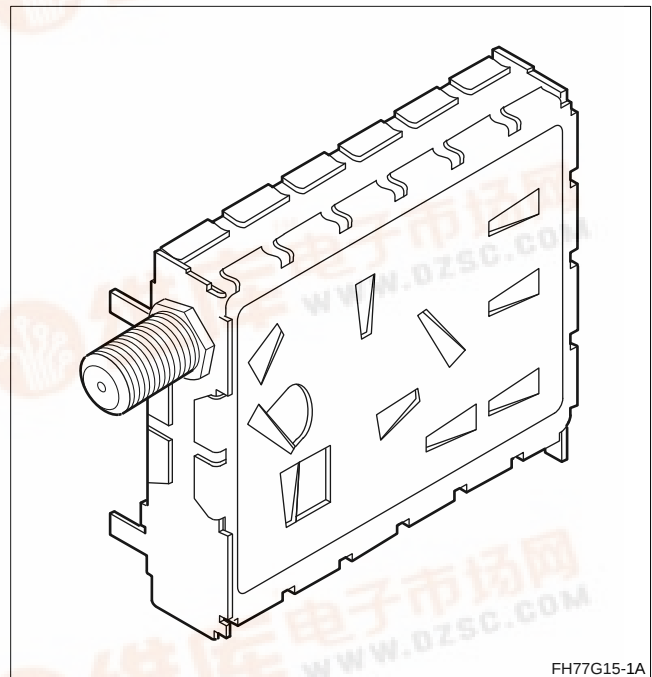
The BSFH77G15 is an integrated single conversion tuner and FM demodulator. It was designed for the reception of analog signals. It has a single input and a combined video and audio output. The input frequency range is 920 to 2,050 MHz. A 27 MHz bandpass filter is positioned at the first IF. A digital AFT output is provided for evaluation of receiver system accuracy.

This tuner is controlled by an internal LC7215 three wire PLL and a 1/256 prescaler.

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

APPLICATIONS:

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



FH77G15-1A

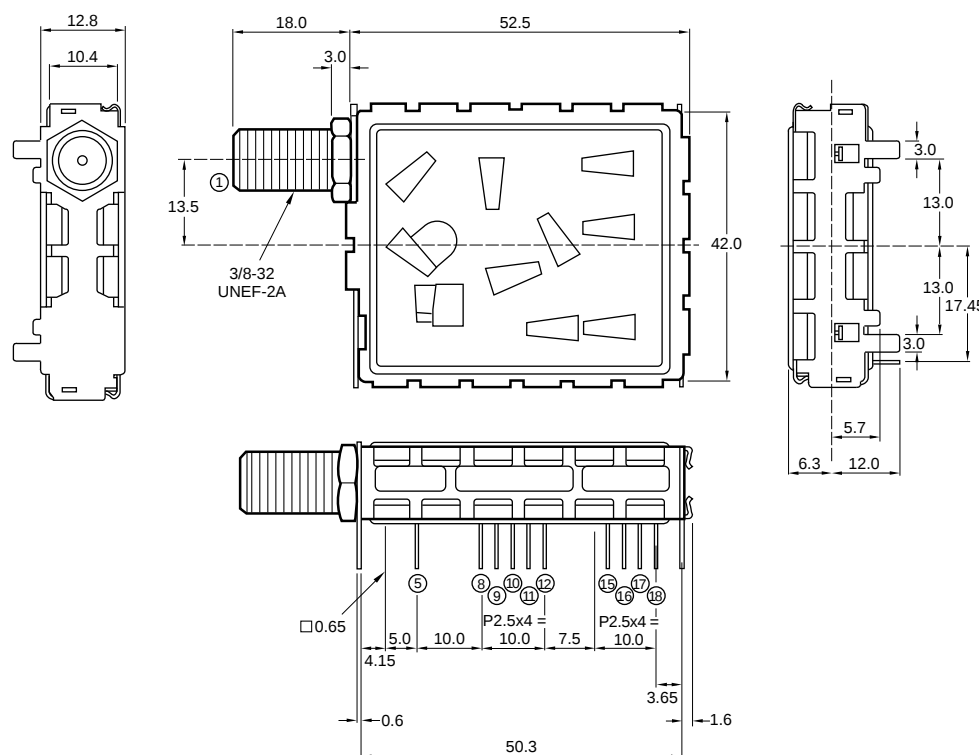
SPECIFICATIONS

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	Frequency synthesizer with LC7215 (Clock: 11.16 MHz)
Operating Supply Voltage	5 $\pm$ 0.3 V
Operating ODU Voltage	25 V
Operating Tuning Voltage	28 V $\pm$ 0.5 V
IF Bandwidth	27 MHz
Demodulation System	PLL
Input Structure	F type female
Prescaler Division Ratio	1/256

PRODUCT INFORMATION

SHARP

BSFH77G15 MECHANICAL DIMENSIONS



NO.	NAME	I/O	VOLT (V)	NOTE
1	RF IN	I		
2				
3				
4				
5	B1 (LNB)	I		TO LNB
6				
7				
8	AFT OUT 1	O		DIGITAL AFT
9	AFT OUT 2	O		DIGITAL AFT
10	AGC	O		AGC OUT
11	B2	I	+5	
12	BASE BAND	O		BB OUT
13				
14				
15	TUN	I	+28	
16	ENABLE	I		
17	CLOCK	I		
18	DATA	I		

NOTE: Dimensions are in mm.

FH77G15-2A

Sharp Electronics Corporation Regional Sales Offices

North American Headquarters

Camas, WA
Ph (360) 834-2500
Fax (360) 834-8903

West

Irvine, CA
Ph (714) 250-0225
Fax (714) 250-0438
San Jose, CA
Ph (408) 436-4900
Fax (408) 436-0924

Central

Romeoville, IL
Ph (708) 226-2400
Fax (708) 759-8572
Auburn Hills, MI
Ph (810) 377-9220
Fax (810) 377-9222
Austin, TX
Ph (512) 349-7262
Fax (512) 349-7002
DFW Airport, TX
Ph (214) 574-5205
Fax (214) 456-0360
Houston, TX
Ph (713) 955-9909
Fax (713) 955-9910

East

Burlington, MA
Ph (617) 270-7979
Fax (617) 229-9117
Annandale, NJ
Ph (908) 713-0505
Fax (908) 713-0566
Durham, NC
Ph (919) 941-0065
Fax (919) 941-0066

Distributors

Future Electronics

Canada
Ph (514) 694-7710
Fax (514) 695-3707

Marshall Industries

El Monte, CA
Ph (800) 522-0084
Fax (818) 307-6173
URL <http://www.marshall.com>

Milgray

Farmingdale, NY
Ph (800) MILGRAY (645-4729)
Fax (516) 293-6465

Reptron

Tampa, FL
Ph (800) 659-1361
Fax (813) 854-2351

Sterling Electronics Corp.

Houston, TX
Ph (800) 745-5500
Fax (713) 629-3939

FastFax Service: 1-800-833-9437

Product Information: 1-800-642-0261

World Wide Web Site: <http://www.sharpmeg.com>

SHARP
FROM SHARP MINDS
COME SHARP PRODUCTS™