

BSFK77G21

Satellite Tuner

FEATURES

- Laydown Package
- AGC sample out
- Digital AFT out
- Frequency synthesizer with I2C bus
- Compact, lightweight design (22 cc)

DESCRIPTION

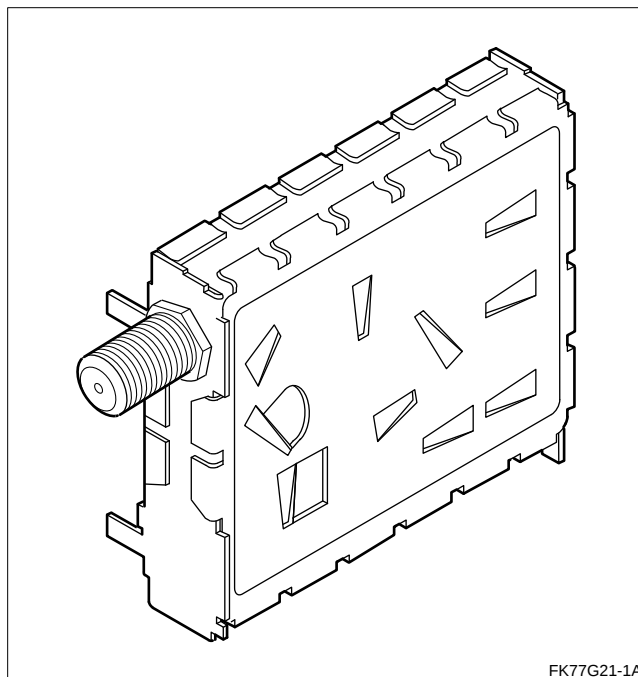
The BSFK77G21 is an integrated single conversion tuner and FM demodulator. It was designed for the reception of analog signals. It has a single input and a combined video and audio output. The input frequency range is 920 to 2,050 MHz. A 27 MHz bandpass filter is positioned at the first IF. A digital AFT output is provided for evaluation of receiver system accuracy.

This tuner can be controlled by an internal I2C PLL interface.

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

APPLICATIONS:

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



FK77G21-1A

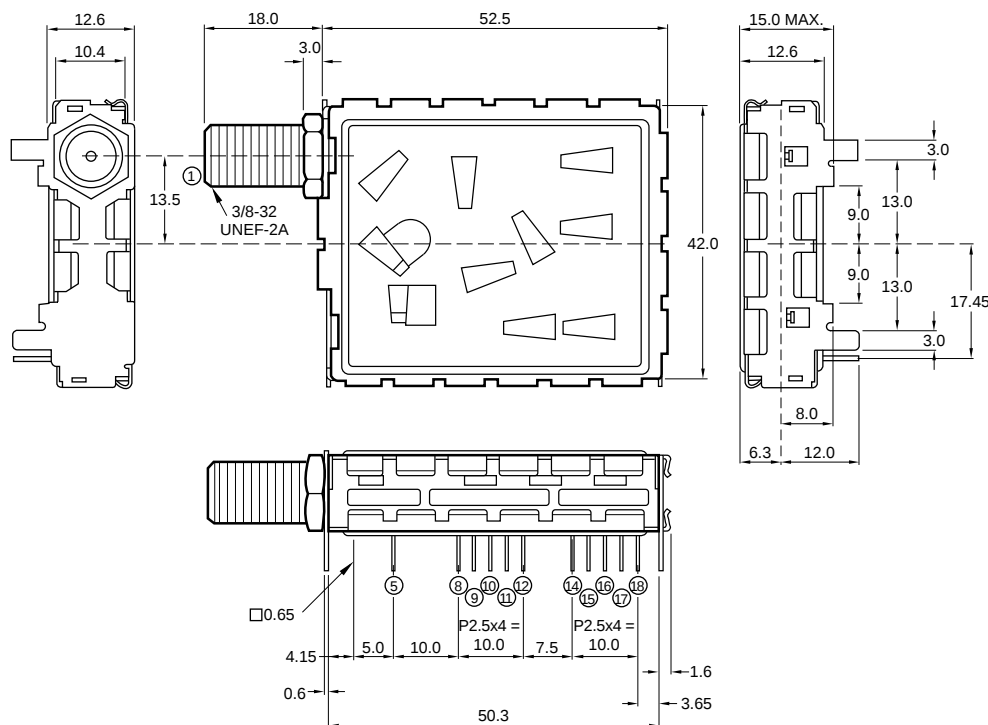
SPECIFICATIONS

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 I2C bus SP5055S (Clock: 4 MHz)
Operating Supply Voltage	5 $\pm$ 0.3 V
Operating ODU Voltage	25 V
Operating Tuning Voltage	28 $\pm$ 1.4 V
IF Bandwidth	27 MHz
Demodulation System	PLL
Input Structure	F type female
Prescaler Division Ratio	-

PRODUCT INFORMATION

SHARP

BSFK77G21 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	SDA	I/O		
15	TUN	I	+28	
16	SCL	I		
17	P7	I/O		
18	P3	I/O		

NOTE: Dimensions are in mm.

FK77G21-2A

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™