

RX3-Series Transceivers for Analog Cordless Telephones

FEATURES

- PLL programmable
- Fully duplexed mode
- Compatible with European CT1, CT1+ and DECT specifications
- All RF functionality in compact package
- High reliability and quality
- Excellent sensitivity
- Eliminates discrete component design
- Compact package: 42 mm × 33 mm × 8 mm
- FCC compliant

The RX3-series modules are designed to represent the RF section of an analog cordless phone. SHARP's units are compatible with the North American 900 MHz ISM band as well as the European 900 MHz CT1, and CT1+ bands. Sharp also offers an RF unit for the 1.88 GHz European DECT market.

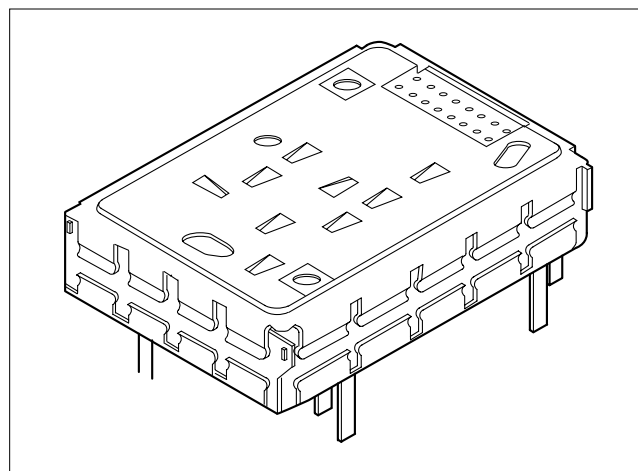
These units are fully duplexed transceivers, called the base set and hand set, respectively. Using 3-wire PLL programming, the transceivers are double converted from the given receive band to a low frequency demodulated signal which can be easily processed. The shielded package allows for optimized EMI considerations. SHARP's North American transceivers are FCC approved; the European units are PTT approved.

Software and evaluation boards are available from SHARP to minimize the evaluation process.

APPLICATIONS:

- 900 MHz ISM band phones
- 1.8 GHz DECT phones
- Point of sale terminals

STANDARD PACKAGE



MODEL GUIDE

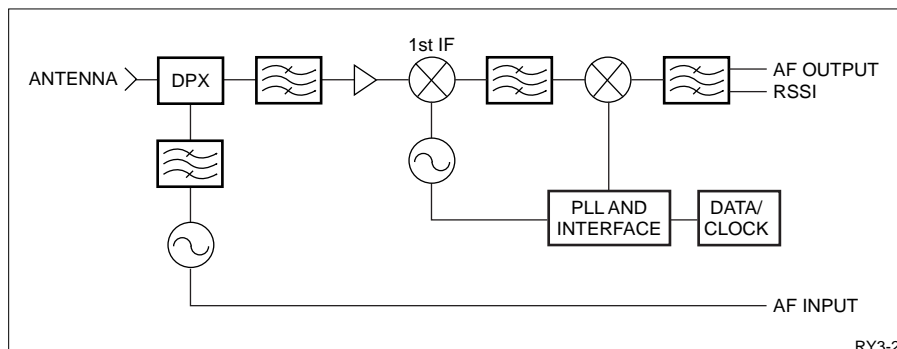
MODEL	BAND	NO. OF CHANNELS	MODULATION METHOD
RX3GB039/RX3GH039	CT1	40	FM
RX3GB040/RX3GH040	CT1+	80	FM
RX3GB045/RX3GH045	900 ISM	40	FM
RX3GB100/RX3GH100	DECT	10	GFSK

NOTE: 'B' in part number denotes base set, 'H' in part number denotes hand set.

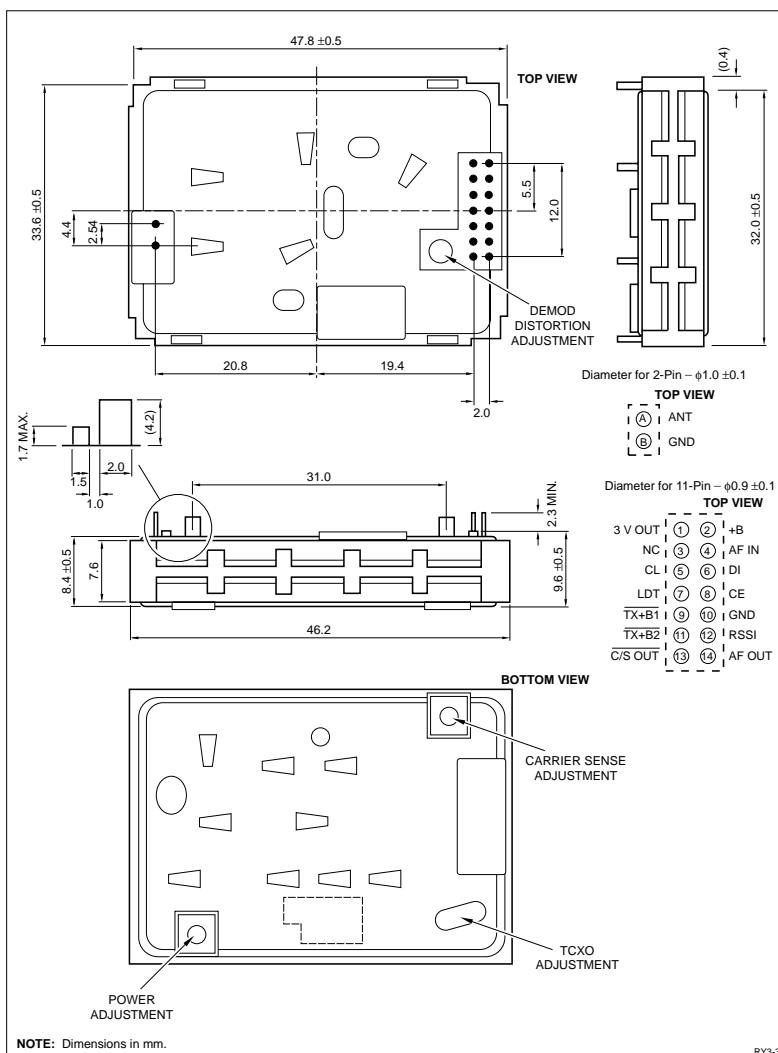
PRODUCT INFORMATION

SHARP®

BLOCK DIAGRAM



MECHANICAL DIMENSIONS



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
Annadale, NJ
Ph (908) 713-0505
Fax (908) 713-0566
Durham, NC
Ph (919) 941-0065
Fax (919) 941-0066

Distributors

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

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

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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 Website: <http://www.sharpmeg.com>

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