



**IDEAL COMMUNICATION SOLUTION FOR YOUR BUSINESS** 

## MOTOTRBO<sup>TM</sup> XIR R8200 REPEATER

Motorola is a company of firsts with a rich heritage of innovation. We continue to invent what's next — connecting people, delivering mobility and making technology personal. Versatile and powerful, MOTOTRBO combines the best in two-way radio functionality with digital technology, making it the ideal communication solution for your business. You get enhanced features, increased capacity, integrated data applications, exceptional voice quality and extended battery performance. This means more productive employees and lower operating costs for your business.

 Uses Time-Division Multiple-Access (TDMA) digital technology to provide Twice The Calling Capacity (as compared to analog or FDMA radios) for the price of one frequency license. A second call doesn't require a second repeater, saving you equipment costs.

- Provides Easy Migration from analog to digital
  with the ability to operate in both analog and
  digital modes and utilizing the Dynamic Mixed
  Mode\* repeater functionality allows for automatic
  switching between analog and digital mode on the
  same repeater.
- The IP Site Connect\* digital solution uses the Internet to extend coverage of your MOTOTRBO communication system to users anywhere in the world for dramatically improved customer service and increased productivity.
- Capacity Plus\* is a scalable, singlesite digital trunking solution that can expand the capacity of your MOTOTRBO communication to over a thousand radio users without adding new frequencies.
- Motorola's Application Developer Program
   enables the development of customized data
   applications that adapt MOTOTRBO radios to meet
   the unique needs of your business.

## MOTOTRBO™ REPEATER RADIO

|  | V:D DOODO  |  |
|--|--|--|
| 111  | XiR R8200 UHF VHF  |  |
| Ur   |  |  |
| 403-470 MHz                                  |  | 136-174 MHz  |
| 400 470 10112                                |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  | 14 K <u>y</u> (.   | 31 IDS)  |
|  | 4.04.4400.14.01  | 0.54 (040 )(4.0)   |
|  |  |  |
|  |  |  |
| -30°C to +60°C                               |  |  |
|  |  |  |
| 1-25 W : ABZ99FT4026                         | 1-40W : ABZ99FT4027  | 1-25 W : ABZ99FT3026   |
| 25-40 W : ABZ99FT4025                        |  | 25-45 W : ABZ99FT3025  |
|  |  |  |
|  |  |  |
| 403-470 MHz                                  | 450-512 MHz  | 136-174 MHz  |
|  | 12.5 kHz,  | / 25 kHz   |
|  |  |  |
|  | +/- 0.5  | 5 ppm  |
| 0.3 uV (12 dB SINAD)<br>0.4 uV (20 dB SINAD) |  |  |
|  |  | •  |
| 0.22 uV (typical)                            |  |  |
|  |  |  |
|  | J /0 DEI1  | . 0.3 uv   |
|  | 75   | JD.  |
| 75 dB  |  |  |
| 70 dB  |  |  |
| 60 dB @ 12.5 kHz                             |  |  |
|  | 70 dB @  | 25 kHz   |
|  |  |  |
| 75 dB  |  | 80 dB  |
| 70 dB 70 dB                                  |  |  |
|  | 3% (ty   | rpical)  |
|  | -40 dB @ 12.5 kHz  |  |
|  |  | 25 kHz   |
| + 1, -3 dB                                   |  |  |
|  | -57 c  | iBm  |
|  |  |  |
|  |  |  |
| 403-470 MHz                                  | 450-512 MHz  | 136-174 MHz  |
|  |  |  |
|  | 12.0 KHZ   |  |
|  | / ۱۸ / د   | 5 nnm  |
|  | +/- 0.0  | , bb   |
| 1.0E.W.                                      | 1.40.14/   | 1-25 W   |
|  | 1-4U VV  |  |
| 25-40 W                                      | / 05:::  | 25-45 W  |
|  |  |  |
| +/- 5.0 kHz @ 25 kHz                         |  |  |
| -40 dB @ 12.5 kHz                            |  |  |
| -45 dB @ 25 kHz                              |  |  |
| -36 dBm < 1 GHz<br>-30 dBm > 1 GHz           |  |  |
|  |  |  |
|  | -60 dB @   | 12.3 KHZ   |
|  | -60 dB @<br>-70 dB @   |  |
|  | -70 dB @   | 25 kHz   |
|  | -70 dB @<br>+1, -:   | 2 25 kHz<br>3 dB   |
|  | -70 dB @<br>+1, -3   | 2 25 kHz<br>3 dB<br>%  |
|  | -70 dB @<br>+1, -3<br>39<br>12.5 kHz :                                 | 9 25 kHz<br>3 dB<br>%<br>11K0F3E   |
|  | -70 dB @<br>+1, -;<br>39<br>12.5 kHz :<br>25 kHz :                     | 2 25 kHz<br>3 dB<br>%<br>11K0F3E<br>6K0F3E   |
|  | -70 dB @<br>+1, -;<br>39<br>12.5 kHz :<br>25 kHz: 1<br>12.5 kHz Data ( | 2 25 kHz 3 dB % 11K0F3E 6K0F3E Only: 7K60FXD   |
|  | -70 dB @<br>+1, -;<br>39<br>12.5 kHz :<br>25 kHz :                     | 2 25 kHz 3 dB % 11K0F3E 16K0F3E Only: 7K60FXD Voice: 7K60FXE   |
|  | 1-25 W : ABZ99FT4026<br>25-40 W : ABZ99FT4025                          | 132.6 x 482.6 5.22 x 19: 100 - 240 W 14 kg (  1.0A (100 VAC), 4.0A (100 VAC), 4.0A (100 VAC), 4.0A (100 VAC), 50°C tr 100  1-25 W : ABZ99FT4026 25-40 W : ABZ99FT4025  403-470 MHz |

<sup>\*</sup>Specifications subject to change without notice. All specifications shown are typical.Radio meets applicable regulatory requirements.

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Conforms to EC 1993/5/EC (R&TTE - Radio and Telecommunications Terminal Equipment) EN 300 086 EN 300 111 EN 300 113