

MOTOTRBO™ SLR 1000 REPEATER

COVERAGE WITHOUT COMPLICATIONS



GENERAL SPECIFICATIONS

| | UHF |
|--------------------------------|---|
| Frequency Range | 400-512 MHz |
| Channel Spacing | 25 / 12.5 kHz |
| Frequency Stability | 0.5 ppm |
| Frequency Generation | Synthesized |
| Channel Capacity | 64 |
| RF Output Power | 1-10 W |
| Dimensions (H x W x D) | 11 x 9 x 4 in (279.4 x 228.6 x 101.6 mm)* |
| Weight | 10 lbs (4.54 kg) |
| Input Voltage (DC) | 12 V (11.0-15.5 V) |
| Current (standby) | 0.7 A (0.63 A typical) |
| Current (transmitting at 10 W) | 3A (typical) |
| Input Power Modes | DC only, Optional AC/DC Power Supply Available |
| Operating Temperature Range | -22 to +140 °F (-30 to +60 °C) |
| Ingress Rating | IP65 |
| Max Duty Cycle | 100% |
| Digital Vocoder Type | AMBE+2™ |
| Connectivity, right side | Rx (N female) |
| Connectivity, left side | Tx (N female) |
| Connectivity, bottom | USB B Receptacle, 1x Ethernet, RJ45 Accessory Connector, DC Input |
| Modes of Operation | Half Duplex / Duplex |

GENERAL SPECIFICATIONS

| | UHF |
|--------------------------|---|
| Supported System Types | Digital Conventional, IP Site Connect, Capacity Plus, Capacity Max, Connect Plus Analog Conventional, Digital Voting, MPT 1327 |
| Audio Levels | Input: Unbalanced: Adjustable, 80 mV rms nominal for 60% RSD. Output: Unbalanced: Adjustable, 330 mV rms nominal @ 60% RSD. |
| FCC Emission Designators | 11K0F3E, 16K0F3E, 7K60FXD, 7K60F7D, 7K60FXE, 7K60F7E, 7K60F7W, 7K60FXW |
| FCC Type Acceptance | ABZ99FT4100 |
| IC Description | 109AB-99FT4100 |

RECEIVER

| | UHF |
|--|---------------------------------|
| Frequency Range | 400-527 MHz |
| Sensitivity, 12dB SINAD | 0.3 uV (0.22 uV typical) |
| Sensitivity, 5% BER | 0.25 uV (0.18 uV typical) |
| Selectivity (TIA603D), 25* / 12.5 kHz | 75 / 50 dB |
| Selectivity (TIA603), 25* / 12.5 kHz | 75 / 65 dB |
| Intermodulation Rejection (TIA603D/ETSI) | 80 / 70 dB (82 / 73 dB typical) |
| Spurious Rejection (TIA603D/ETSI) | 85 / 75 dB (95 / 90 dB typical) |
| Audio Distortion | < 3% (<1% typical) |
| Hum and Noise, 25* / 12.5 kHz | -50 / -45 dB |
| Blocking | -57 dBm |

* Without brackets or other peripheral equipment
** Images show product equipped with optional modules



| TRANSMITTER | |
|--|----------------------------------|
| | UHF |
| Frequency Range | 400-527 MHz |
| RF Output Power | 1-10 W |
| Max Duty Cycle | 100% |
| Intermodulation Attenuation | 40 dB |
| Adjacent Channel Power (TIA603D), 25* / 12.5 kHz | 78 / 62 dB |
| Adjacent Channel Power (ETSI), 25* / 12.5 kHz | 78 / 62 dB |
| Modulation Fidelity 4FSK | FSK Error 5% FSK Magnitude 1% |
| Conducted Spurious Emissions | -36 dBm < 1 GHz, -30 dBm > 1 GHz |
| Audio Response | TIA603D / ETSI |
| Audio Distortion | <1% |
| Hum and Noise, 25* / 12.5 kHz | -50 / -45 dB |
| Rated System Deviation, 25* / 12.5 kHz | ±5.0 / ±2.5 kHz |



PRODUCT MEETS

- ETSI 300-086
- ETSI 300-113
- TIA603D
- CE Marked
- RoHS2-Compliant
- UL Listed
- Digital Protocol
-ETSI 102 361-1, -2, -3

To get connected with MOTOTRBO, please contact your local Motorola Solutions representative or visit motorolasolutions.com/MOTOTRBO



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