MOTOTRBO™ SLR 1000 REPEATER

COVERAGE WITHOUT COMPLICATIONS



GENERAL SPECIFICATIONS	
	UHF
Frequency Range	400-527 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% (<1.5% 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

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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	<3% (<1% Typical)
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
- 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

Motorola Solutions Singapore Pte Ltd
80 Pasir Panjang Road #18-81 Mapletree Business City Singapore 117372

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