

MOTOTRBO™ SLR 1000 REPEATER

COVERAGE WITHOUT COMPLICATIONS



GENERAL SPECIFICATIONS

	UHF
Frequency Range	400-527 MHz
Channel Spacing	12.5 / 20 / 25 kHz
Frequency Stability	0.5 ppm
Frequency Generation	Synthesized
Channel Capacity	64
RF Output Power	1-10 W
Dimensions* (H x W x D)	279.4 x 228.6 x 101.6 mm (11 x 9 x 4 in)
Weight*	4.54 kg (10 lbs)
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	-30 to +60 °C (-22 to +140 °F)
Ingress Rating	IP65
Max Duty Cycle	100%
Digital Vocoder Type	AMBE+2™
Connectivity, left side	Rx (N female)
Connectivity, right 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. Analogue 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), 12.5 / 20 / 25 kHz	50 / 75 / 75 dB
Selectivity (TIA603), 12.5 / 20 / 25 kHz	65 / 75 / 75 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, 12.5 / 20 / 25 kHz	-45 / -50 / -50 dB
Blocking	-57 dBm

* Without brackets or other peripheral equipment

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), 12.5 / 20 / 25 kHz	62 / 78 / 78 dB
Adjacent Channel Power (ETSI), 12.5 / 20 / 25 kHz	62 / 78 / 78 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, 12.5 / 20 / 25 kHz	-45 / -50 / -50 dB
Rated System Deviation, 12.5 / 20 / 25 kHz	±2.5 / ±5.0 / ±5.0 kHz



PRODUCT MEETS

- ETSI 300-086
- ETSI 300-113
- TIA603D
- CE Marked
- RoHS2-Compliant
- UL Listed
- Digital Protocol
ESTI TS 102 361
(DMR Tier II and III)

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



Motorola Solutions Ltd. Nova South, 160 Victoria Street, London, SW1E 5LB, UK.

Availability is subject to individual country law and regulations. All specifications shown are typical unless otherwise stated and are subject to change without notice.

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CONTROL d.o.o. RIJEKA
ENGINEERING



IVANA ŽORŽA 39, HR-51000 RIJEKA
T +385 51 255 111 F +385 51 254 925
www.control.hr info@control.hr