

# MOTOTRBO™ SLR 1000 REPEATER

## COVERAGE WITHOUT COMPLICATIONS



### GENERAL SPECIFICATIONS

	VHF	UHF
Frequency Range	136-174 MHz	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

	VHF	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	ABZ99FT3096	ABZ99FT4100
IC Description	109AB-99FT3096	109AB-99FT4100

### RECEIVER

	VHF	UHF
Frequency Range	136-174 MHz	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	83 / 55 dB	80 / 55 dB
Selectivity (TIA603), 25* / 12.5 kHz	83 / 68 dB	80 / 68 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	
Conducted Spurious Emissions	-57 dBm	

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

TRANSMITTER		
	VHF	UHF
Frequency Range	136-174 MHz	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

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