

DR 3000

Repeater



- 1 100% continuous full duty cycle
- Supports two simultaneous voice or data paths in digital TDMA mode.
- 3 Integrated power supply.
- 4 Operates in analogue or digital mode, bright, clear, colored LEDs indicate mode.
- 5 LEDs clearly indicate transmit and receive modes in both channel slots.
- 6 Sturdy handles make installation and handling easier.

Repeater Standard Package

- Repeater
- Power Cord

Specifications

GENERAL SPECIFICATIONS	
Channel Capacity	1
Typical RF Output	
Low Power UHF and VHF	1-25 W
High Power UHF	25-40 W
High Power VHF	25-45 W
Frequency	136-174 MHz
	403-470 MHz
Dimensions (HxWxL)	132.6 x 482.6 x 296.5 mm
Weight	14 kg
Voltage Requirements	100-240 V AC (13.6 V DC)
Current Drain: Standby	0.1A (100 V AC)
	0.5A (240 V AC)
	1.0A (typical) (13.4 V DC)
Transmit	•••••
Low Power	2.5A (100 VAC)
	1.5A (240 VAC)
	7.5A (typical) (13.4 VDC)
High Power	4.0A (100 V AC)
	1.8A (240 V AC)
	12A (typical) (13.4 V DC)
Operating Temperature Range Max Duty Cycle	-30°C to +60°C

TRANSMITTER	
Frequency	136-174 MHz
	403-470 MHz
Channel Spacing	12.5 kHz/ 20/25 kHz
Frequency Stability	+/- 0.5 ppm
(-30° C, +60° C, +25° C)	
Power Output	••••••
Low Power UHF and VHF	1-25 W
High Power UHF	25-40 W
High Power VHF	25-45 W
Modulation Limiting	+/- 2.5 kHz @ 12.5 kHz
	+/- 4 kHz @ 20 kHz
	+/- 5.0 kHz @ 25 kHz
FM Hum and Noise	-40 dB @ 12.5 kHz
	-45 dB @ 20/25 kHz
Conducted / Radiated Emission	-36 dBm < 1 GHz
	-30 dBm > 1 GHz
Adjacent Channel Power	-60 dB @ 12.5 kHz
	-70 dB @ 20/25 kHz
Audio Response	+1, -3 dB
Audio Distortion	3%
Digital Vocoder Type	AMBE+2
Digital Protocol	ETSI-TS 102 361-1, 2 & 3

RECEIVER	
Frequency	136-174 MHz
	403-470 MHz
Channel Spacing	12.5 kHz/ 20/25 kHz
Frequency Stability	+/- 0.5 ppm
(-30° C, +60° C, +25° C)	
Analogue Sensitivity (0.30 uV (12 dB SINAD)
	0.22 uV (typical) (12 dB SINAD)
	0.4uV (20 dB SINAD)
Digital Sensitivity	5% BER: 0.3 uV
Intermodulation	70 dB
Adjacent Channel Selectivity	60 dB @ 12.5 kHz,
	70 dB @ 20/25 kHz
Spurious Rejection	70 dB
Audio Distortion @ Rated Aud	dio 3% (typical)
Hum and Noise	-40 dB @ 12.5 kHz
	-45 dB @ 20/25 kHz
Audio Response	+1, -3 dB
Conducted Spurious Emission	n -57 dBm < 1GHz

For more information please contact your local Motorola Authorised Dealer or Distributor

