

# AWR-DRP9050

## Digital Repeater

## SPEC SHEET

Professional, high performance DMR digital/analog repeater. The AWR-DRP9050 repeater can support single and mixed mode operation on-the-fly. The AWR-DRP9050 can be networked for extended functionality and management.



## SPECIFICATIONS

HOUSING COLOR	Black
HEIGHT	3.5"
WIDTH	17.3"
DEPTH	19"
WEIGHT	26.5 lbs
OPERATING TEMPERATURE	-10°C~+55°C (14°F~+131°F)
POWER REQUIREMENT	100~264VAC~ 50/60Hz
TRANSMITTER POWER	50W Max
CHANNELS	99
CHANNEL SPACING	12.5kHz
OPERATING FREQ. RANGE	400 - 700 MHz
TONE/CODE SIGNALING	Yes
HANG-TIME TIMER	Yes (digital only)
TIME-OUT TIMER	Yes
ANTENNA IMPEDANCE	50KΩ
SPEAKER IMPEDANCE	40Ω
DIGITAL SPEECH ENCODER	AMBE++
TRANSMIT BIT ERROR RATE	≤1.5%

RF OUTPUT @ANTENNA	N-Type
FREQUENCY STABILITY	≤2.5 ppm
MODULATION	4FSK
DEVIATION	4FSK
ANTENNA PORT SPURIOUS EMISSION 9KHz~1GHz	≤-36dBm, TX Mode ≤-57dBm, Standby Mode
1GHz ~12.75GHz	≤-30dBm, TX Mode ≤-47dBm, Standby Mode
CASE PORT SPURIOUS EMISSION 9KHz~1GHz	≤-36dBm, TX Mode ≤-57dBm, Standby Mode
1GHz ~12.75GHz	≤-30dBm, TX Mode ≤-47dBm, Standby Mode
DUTY CYCLE	100%
DIGITAL SENSITIVITY (BER5%)	≤-117dBm
AUDIO OUTPUT POWER	3.0 W
ADJACENT CH. SELECTIVITY	≥65dB
INTERMEDIATION DISTURBANCE REJECTION	≥70dB
TRANSIENT SWITCHOVER ADJACENT CH. POWER	±12.5kHz: ≤50 dB
4FSK DIGITAL MODULATION	Date 7K60FXD, Date Plus Voice 7K60FXW
ADJACENT CH. POWER	±12.5kHz: ≤-60dB

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