

# RANGE EXTENDER

for Motorola DTR series Digital Radio

## Product Specifications

GENERAL SPECIFICATIONS	
Transceiver	Motorola DTR550
Operating Frequency	900 MHz ISM FHSS
Power Supply	DC 5V 850mA
Operating Voltage	3.8V +/- 0.4V
Battery	1200mAH Li-Ion
Backup Battery Life @ 10-10-80 Duty Cycle with 1200 mAH	10 hours
Transceiver FCC Designation	AZ489FT5842
Transceiver IC Designation	109U-89FT5842
Dimensions without Antenna HxWxD	5.50"x 5.25"x 1.63"
Weight with 1200mAH Li-Ion Battery	1.1 lbs
TRANSCIEVER SPECIFICATIONS	
Transmitter Output Power	1W
Receive Sensitivity (3% BER)	-125dBm
TX ACCPR	-50dBc
Frequency Stability (-30 C to +60 C)	+/- 5PPM
Spurious Harmonics	500uV/m (3m)
Spurious Rejection	55dB
Blocking	75dB
Modulation	8-Level FSK

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