



Rodale Electronics, Inc.

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DPT-2B Radar Simulator Specification

Frequency Range:

- H Band 7.8 – 8.5 GHz
- I Band 8.5 – 9.6 GHz
- J Band 14 – 15.2 GHz
- J Band 13 – 14.0 GHz

(Other frequency ranges are available)

Magnetrons:	Tuneable
Power Output:	20 KW min (+73dBm)
Antenna Gain:	Customer Selected
Effective Radiated Power (ERP):	+94 dBm typical (with 22 dBi Antenna Gain)
Pulse Width range:	0.1 – 2.0 usec
Duty Cycle:	.0012 max

Pulse Modes

Steady PRF Mode

PRF Range	200 Hz to 6000 Hz
PRF Resolution	1 Hz

Stagger PRF Mode

PRF Range	200 Hz to 6000 Hz
Stagger Levels	2 to 100

Random Jitter Mode

PRF Range	200 Hz to 6000 Hz
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Sinusoidal Jitter Mode

PRF Range	200 Hz to 6000 Hz
Jitter Rate	1 Hz to 10 KHz

Triangular Jitter Mode

PRF Range	1 Hz to 6000 Hz
Jitter Rate	1 Hz to 10 KHz

Scan Modes

Steady Scan

Continuous RF

Circular Scan

Scan Rate Range 0.1 to 10 Seconds

Scan Rate Units Seconds

Scan Width 0.1 to 2 seconds

Bi-Directional Scan and Uni-Directional Scan

Scan Rate Range 0.1 to 10 Seconds

Scan Rate Units Seconds

Scan Width 0.1 to 2 seconds

Scan Delay 0.1 to 10 Seconds

Environmental:

MIL-E-5400, Class 2, Airborne External Stores

EMI/EMC:

MIL-STD-461, when tested in accordance with
MIL-STD-462

