

LD600W Series RF Power Generators

The LD600W Series RF Power Generator is a unique approach to a water-cooled high-power RF generator. Two **LDMOS transistors** provide 625 watts of RF power. These compact units are ideal for laser and plasma applications.

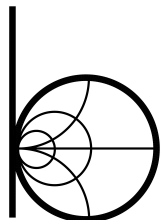


Features and Benefits

- LDMOS transistors provide lower transistor junction temperatures
- High reflected power capability
- High repeatability and stability
- Forward and Reflected power monitors to optimize matching
- Pulse capability for matching at low average power
- Available frequencies from 13 MHz to 100 MHz

Specifications

Rated power output	625 watts
Frequency stability	13.56 – 100.0 MHz \pm 0.005% (VCO optional)
Dynamic power range	0 to 625 watts
Load impedance range	unlimited
RF stability/spurious output	unconditionally stable for any load > 60 dBc
Harmonic output	> 40 dBc
Operating VSWR	2:1 at any phase angle, protected for VSWR > 2:1
Power repeatability	3% (power measurement calibration in test lab = 3%)
Cooling	water
Weight	12 lbs.
Dimensions	1.7" x 6.0" x 11" (4.32 x 15.24 x 27.94 cm)
Controls	power set point, forward and reflected power (BNC)
Protection	thermal shutdown, VSWR foldback.



Brounley RF, Inc.

rfpowerdesign.com