



MODULAR DEVICES, INC.

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An ISO 9001:2000 Registered Company

FOR IMMEDIATE RELEASE

MDI announces availability of Model 99200 Precision Sequenced, 100K+[®] radiation hardened Hybrid DC-DC converter for RF amplifier applications.

Power converters for FET RF amplifiers, also known as EPC's, need outputs which cause the gate voltage to appear first and are removed last. This is because the gate of the FET is enhanced at zero voltage, so the gate is not controlled in the absence of the negative bias.

The Model 99200 operates from a DC input of 18 VDC to 50 VDC. It produces outputs of +8 VDC at 1.7 A, +15 VDC at 0.1A and -6.5 VDC at 0.1 A.

The key aspects of the Model 99200 design are as follows:

1. The power stage topology is a 200 kHz. current mode flyback converter, which has good rejection of input line variations.
2. A single transformer generates the positive and negative outputs.
3. Output sequencing and inhibit is achieved with controlled rise time output FET switches.
4. An input and Output EMI filter is included
5. Radiation hardness exceeds 100Krad TID and SEE of 82 MEV mg/cm²

When power is removed, internal hold up capacitance maintains the negative output while the positive outputs decay.

Lead-time for production deliveries is 16 to 26 weeks with pricing starting at \$3,982 each

Other output voltage and current ratings are available.

Visit our website at <http://www.mdipower.com> for complete specifications.

Contact our Sales Department at sales@mdipower.com

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