

Jones Jim J III
 Form 4
 June 23, 2006

FORM 4

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549**

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Jones Jim J III

2. Issuer Name and Ticker or Trading Symbol
 MONOLITHIC POWER SYSTEMS INC [MPWR]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 950 TOWER LANE, SUITE 700
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 06/21/2006

Director 10% Owner
 Officer (give title below) Other (specify below)

FOSTER CITY, CA 94404

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
Common Stock				(A) or (D) Price	2,120,356	I	see note ⁽¹⁾

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares
Director Stock Options	\$ 12.16	06/21/2006		A	15,000	06/21/2007 ⁽²⁾ 06/21/2016	Common Stock	15,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Jones Jim J III 950 TOWER LANE, SUITE 700 FOSTER CITY, CA 94404	X			

Signatures

/s/ Jim J. Jones
III 06/23/2006

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
 - ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Represents securities owned by BAVP, LP. The voting and disposition of these shares held by BAVP, LP is determined by BA Venture Partners VI, LLC, the ultimate general partner of BAVP, LP. Such decisions by BA Venture Partners VI, LLC are, in turn, determined by a majority-in-interest of its five managing members: Kate Mitchell, Lou Bock, Mark Brooks, John Dougery and Rory O'Driscoll. Jim Jones is one of the members of BA Venture Partners VI, LLC and as such has a pecuniary interest in a portion of these shares, but has no voting or investment power with respect to such shares. Mr. Jones disclaims beneficial ownership of these shares, except to the extent of his proportionate pecuniary interest therein.
- (2) 100% of this option will vest and become exercisable on the first anniversary of this grant provided that Mr. Jones continues to serve as a director on such date.
- (3) The Reporting Person is a Managing Director of Bank of America Ventures. Pursuant to the policies of Bank of America Ventures and its affiliates, the Reporting Person is deemed to hold the reported option for the benefit of Bank of America Ventures and must exercise the option solely upon the direction of Bank of America Ventures. Bank of America Ventures may be deemed the indirect beneficial owner of the option. The Reporting Person disclaims beneficial ownership of the option except to the extent of his pecuniary interest therein.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.