

Moyer James C  
 Form 5  
 February 10, 2006

# FORM 5

**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).  
 Form 3 Holdings Reported Form 4 Transactions Reported

**ANNUAL 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

1. Name and Address of Reporting Person \*  
**Moyer James C**

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

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)  
 Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 Chief IC Design Engineer

(Last) (First) (Middle)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
 12/31/2005

983 UNIVERSITY AVENUE,  
 BUILDING A

(Street)

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

6. Individual or Joint/Group Reporting  
 (check applicable line)

LOS GATOS, CA 95032

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 at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				(A) or (D) Amount Price			
Common Stock	06/01/2005	Â	J(1)	119,792 D \$ 0	130,208	I	By F. Moyer 04 Trust
Common Stock	06/01/2005	Â	J(2)	119,792 D \$ 0	130,208	I	By J. Moyer 04 Trust
Common Stock	06/01/2005	Â	J(3)	239,584 A \$ 0	239,584	I	by Moyer FamilyTrust
	Â	Â	Â	Â Â Â	1,361,068	D	Â

Common  
Stock

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

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(9-02)

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

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 Security (Instr. 3 and 4)
Non-Qualified Stock Option (right to buy)	\$ 5	Â	Â	Â	Â Â	01/13/2005 <sup>(4)</sup> 01/13/2014	Common Stock

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Moyer James C 983 UNIVERSITY AVENUE, BUILDING A LOS GATOS, CA 95032	Â X	Â	Â Chief IC Design Engineer	Â

## Signatures

James C. Moyer 02/10/2006

\*\*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 shares transferred from the Frances K. Moyer 2004 Trust to the Moyer Family Trust.
- (2) Represents shares transferred from the James C. Moyer 2004 Trust to the Moyer Family Trust.
- (3) Represents shares transferred from the James C. Moyer 2004 Trust and the Frances K. Moyer 2004 Trust.
- (4) 25% of the shares subject to the option vest on 1/13/05; balance vests monthly over 36 months.

Note: File three copies of this Form, one of which must be manually signed. If space provided is insufficient, see Instruction 6 for procedure.

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