

SECURITIES AND EXCHANGE COMMISSION

FORM SC 13G

Schedule filed to report acquisition of beneficial ownership of 5% or more of a class of equity securities by passive investors and certain institutions

Filing Date: **2009-01-26**
SEC Accession No. **0001193125-09-010986**

([HTML Version](#) on [secdatabase.com](#))

SUBJECT COMPANY

MONOLITHIC POWER SYSTEMS INC

CIK: **1280452** | IRS No.: **770466789** | State of Incorpor.: **CA** | Fiscal Year End: **1231**
Type: **SC 13G** | Act: **34** | File No.: **005-80408** | Film No.: **09544762**
SIC: **3674** Semiconductors & related devices

Mailing Address
*6409 GUADALUPE MINES
ROAD
SAN JOSE CA 95120*

Business Address
*6409 GUADALUPE MINES
ROAD
SAN JOSE CA 95120
(408) 826-0600*

FILED BY

Moyer James C

CIK: **1308656**
Type: **SC 13G**

Mailing Address
*6409 GUADALUPE MINES
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408-826-0600

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

Monolithic Power Systems, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

609839 10 5

(CUSIP Number)

December 31, 2008

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be “filed” for the purpose of Section 18 of the Securities Exchange Act of 1934 (“Act”) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1745 (03-00)

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1. Names of Reporting Persons.

I.R.S. Identification Nos. of above persons (entities only).

James C. Moyer

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3. SEC Use Only

4. Citizenship or Place of Organization

United States

5. Sole Voting Power

Number of Shares Beneficially Owned by Each Reporting Person With: 859,568(1)

6. Shared Voting Power

638,964(2)

7. Sole Dispositive Power

859,568(1)

8. Shared Dispositive Power

638,964(2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person

1,498,532(1)(2)

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11. Percent of Class Represented by Amount in Row (9)

4.45%

12. Type of Reporting Person (See Instructions)

IN

- (1) Includes (i) options to purchase 111,999 shares of Common Stock that are exercisable within 60 days of December 31, 2008, and (ii) 143,000 shares held in the name of National Financial Services LLC Cust FBO James C. Moyer IRA.
- (2) Includes (i) 495,964 shares held in the Moyer Family Revocable Trust, for which the voting and/or dispositive power is held or shared by James Moyer and/or Frances Moyer, and (ii) 143,000 shares held in the name of National Financial Services LLC Cust FBO Frances K. Moyer IRA.

Item 1.

- (a) Name of Issuer
Monolithic Power Systems, Inc.
- (b) Address of Issuer's Principal Executive Offices
6409 Guadalupe Mines Road, San Jose, CA 95120

Item 2.

- (a) Name of Person Filing
James C. Moyer
- (b) Address of Principal Business Office or, if none, Residence
6409 Guadalupe Mines Road, San Jose, CA 95120
- (c) Citizenship
United States
- (d) Title of Class of Securities
Common Stock
- (e) CUSIP Number
609839 10 5

Item 3.

N/A

Item 4. Ownership

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned: 1,498,532 Common Shares held at 12/31/2008(1)(2)
- (b) Percent of class: 4.45%
- (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote 859,568(1)
 - (ii) Shared power to vote or to direct the vote 638,964(2)
 - (iii) Sole power to dispose or to direct the disposition of 859,568(1)
 - (iv) Shared power to dispose or to direct the disposition of 638,964(2)

Instruction. For computations regarding securities which represent a right to acquire an underlying security *see* §240.13d-3(d)(1).

Item 5. Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

- (1) Includes (i) options to purchase 111,999 shares of Common Stock that are exercisable within 60 days of December 31, 2008, and (ii) 143,000 shares held in the name of National Financial Services LLC Cust FBO James C. Moyer IRA.

- (2) Includes (i) 495,964 shares held in the Moyer Family Revocable Trust, for which the voting and/or dispositive power is held or shared by James Moyer and/or Frances Moyer, and (ii) 143,000 shares held in the name of National Financial Services LLC Cust FBO Frances K. Moyer IRA.

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Item 6. Ownership of More than Five Percent on Behalf of Another Person

N/A

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company of Control Person

N/A

Item 8. Identification and Classification of Members of the Group

N/A

Item 9. Notice of Dissolution of Group

N/A

Item 10. Certification

- (a) The following certification shall be included if the statement is filed pursuant to §240.13d-1(b):

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

- (b) The following certification shall be included if the statement is filed pursuant to §240.13d-1(c):

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set in this statement is true, complete and correct.

January 26, 2009
Date

/s/ James Moyer

Signature

James C. Moyer
Name/Title

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. *See* §240.13d-7 for other parties for whom copies are to be sent.

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001)

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