

Moyer James C  
Form 4  
December 13, 2007

**FORM 4**

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

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

## OMB APPROVAL

OMB  
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(Print or Type Responses)

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)

(Last) (First) (Middle)  
6409 GUADALUPE MINES ROAD  
(Street)

3. Date of Earliest Transaction  
(Month/Day/Year)  
12/13/2007

☐ Director ☐ 10% Owner  
☒ Officer (give title below) ☐ Other (specify below)  
Chief IC Design Engineer

SAN JOSE, CA 95120

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D) Price			
Common Stock	12/13/2007		S <u>(1)</u>		100	D \$ 21.65	224,010	I	by Moyer FamilyTrust
Common Stock	12/13/2007		S <u>(1)</u>		200	D \$ 21.7	223,810	I	by Moyer FamilyTrust
Common Stock	12/13/2007		S <u>(1)</u>		400	D \$ 21.73	223,410	I	by Moyer FamilyTrust
Common Stock	12/13/2007		S <u>(1)</u>		400	D \$ 21.74	223,010	I	by Moyer FamilyTrust
Common Stock	12/13/2007		S <u>(1)</u>		500	D \$ 21.75	222,510	I	by Moyer FamilyTrust

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Common Stock	12/13/2007	<u>S(1)</u>	300	D	\$ 21.77	222,210	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	100	D	\$ 21.79	222,110	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	100	D	\$ 21.83	222,010	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	100	D	\$ 21.85	221,910	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	200	D	\$ 21.87	221,710	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	100	D	\$ 21.88	221,610	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	200	D	\$ 21.92	221,410	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	100	D	\$ 21.95	221,310	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	300	D	\$ 21.96	221,010	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	300	D	\$ 22	220,710	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	400	D	\$ 22.01	220,310	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	300	D	\$ 22.03	220,010	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	100	D	\$ 22.04	219,910	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	300	D	\$ 22.06	219,610	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	100	D	\$ 22.21	219,510	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	100	D	\$ 22.27	219,410	I	by Moyer FamilyTrust
Common Stock	12/13/2007	<u>S(1)</u>	100	D	\$ 22.29	219,310	I	by Moyer FamilyTrust
Common Stock						890,569	D	
Common Stock						518,504	I	By Jointly w/Spouse

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

**Persons who respond to the collection of information contained in this form are not**

SEC 1474  
(9-02)

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**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 Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 6)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
Moyer James C 6409 GUADALUPE MINES ROAD SAN JOSE, CA 95120	X Chief IC Design Engineer

## Signatures

By: Saria Tseng For: James Moyer 12/13/2007

\_\_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) In accordance with the reporting person's 10b5-1 trading plan.

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

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