

Sciammas Maurice
Form 4
May 02, 2012

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 *
Sciammas Maurice

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)
05/01/2012

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
Sr. V.P.of Sales and Marketing

SAN JOSE, CA 95120
(City) (State) (Zip)

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

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 or (D) Price			
Common Stock	05/02/2012		S ⁽¹⁾	1,145 D \$ 21.002	132,066	D	
Common Stock	05/01/2012		S ⁽²⁾	6,000 D \$ 22.0295	74,004	I	by Family Trust
Common Stock	05/01/2012		S ⁽²⁾	2,000 D \$ 22.015	16,371	I	byC Sciammas 04 TRST
Common Stock	05/01/2012		S ⁽²⁾	2,000 D \$ 22.0165	16,371	I	byM Sciammas 04 Trst

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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 Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu...
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address	Relationships								
Sciammas Maurice 6409 GUADALUPE MINES ROAD SAN JOSE, CA 95120	<table border="0" style="width: 100%;"> <tr> <td style="width: 25%;">Director</td> <td style="width: 25%;">10% Owner</td> <td style="width: 25%;">Officer</td> <td style="width: 25%;"></td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">Sr. V.P.of Sales and Marketing</td> <td style="text-align: center;">Other</td> </tr> </table>	Director	10% Owner	Officer				Sr. V.P.of Sales and Marketing	Other
Director	10% Owner	Officer							
		Sr. V.P.of Sales and Marketing	Other						

Signatures

By: Meera Rao For: Maurice Sciammas 05/02/2012

**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) Shares sold to pay tax obligations resulting from the vesting of restricted stock units.
- (2) In accordance with the reporting person's 10b5-1 trading plan.

The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line range from \$22.00 to \$22.15. The reporting person undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price.
- (4) The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line range from \$22.00 to \$22.15. The reporting person undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price.

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The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line (5) range from \$22.00 to \$22.08. The reporting person undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price.

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.