Sciammas Maurice Form 5 February 12, 2009

Reported

**OMB APPROVAL** FORM 5 **OMB** UNITED STATES SECURITIES AND EXCHANGE COMMISSION 3235-0362 Number: Washington, D.C. 20549 Check this box if January 31, Expires: no longer subject 2005 to Section 16. Estimated average ANNUAL STATEMENT OF CHANGES IN BENEFICIAL Form 4 or Form burden hours per 5 obligations OWNERSHIP OF SECURITIES response... 1.0 may continue. See Instruction

See Instruction
1(b). Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
Reported
Form 4
Transactions

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
The Section 17(a) of the Public Utility Holding Company Act of 1940
Transactions

1. Name and Address of Reporting Person \* 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer Sciammas Maurice Symbol MONOLITHIC POWER SYSTEMS (Check all applicable) INC [MPWR] (Middle) 3. Statement for Issuer's Fiscal Year Ended (Last) (First) Director 10% Owner X \_ Officer (give title Other (specify (Month/Day/Year) below) below) 12/31/2008 Sr. V.P.of Sales and Marketing 6409 GUADALUPE MINES ROAD (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year) (check applicable line)

SAN JOSE, CAÂ 95120

\_X\_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 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired (A) 5. Amount of 6. 7. Nature of Transaction Indirect Security (Month/Day/Year) Execution Date, if or Disposed of (D) Securities Ownership (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) (Instr. 8) Owned at Direct (D) Ownership end of or Indirect (Instr. 4) Issuer's (I) Fiscal Year (Instr. 4) (A) (Instr. 3 and 4) Amount (D) Price Common \$ Â Â 08/15/2008 J(1)1,478 71,582 D A Stock 14.2035 by Family Common Â Â Â Â Â Â 145,934 I Stock Trust (2) b<sub>v</sub>C Common Sciammas Â Â Â Â Â Â Ι 29,671 Stock 04 TRST (3)

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

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SEC 2270 (9-02)

of

# 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)		ate	7. Tit Amou Under Secur (Instr	int of rlying	8. Price of Derivative Security (Instr. 5)
					(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

## **Reporting Owners**

Reporting Owner Name / Address

Director 10% Owner Officer Other

Sciammas Maurice
6409 GUADALUPE MINES ROAD Â Â Sr. V.P.of Sales and Marketing Â

SAN JOSE, CAÂ 95120

#### **Signatures**

By: Adriana Chiocchi For: Maurice
Sciammas
02/12/2009

\*\*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) Acquired through the company's qualified ESPP program.
- (2) Shares held by Sciammas Family Living Trust, Maurice Sciammas and Christina Sciammas, Trustees
- (3) Shares held by Christina Sciammas 2004 Trust, Christina Sciammas and Maurice Sciammas, Trustees
- (4) Shares held by Maurice Sciammas 2004 Trust, Maurice Sciammas and Christina Sciammas, Trustees

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

Reporting Owners 2

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