

MONOLITHIC POWER SYSTEMS INC  
 Form 4  
 August 11, 2008

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
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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)  
 201 FORRESTER  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 08/11/2008

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

LOS GATOS, CA 95032

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)
				(A) or (D) Code V Amount Price			
Common Stock	08/11/2008		S	200 D \$ 28.08	170,734	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008		S	100 D \$ 28.1	170,634	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008		S	1,400 D \$ 28.12	169,234	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008		S	100 D \$ 28.16	169,134	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008		S	400 D \$ 28.17	168,734	I	by Family Trust <sup>(1)</sup>

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Common Stock	08/11/2008	S	1,579	D	\$ 28.18	167,155	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008	S	3,369	D	\$ 28.2	163,786	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008	S	200	D	\$ 28.21	163,586	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008	S	3,400	D	\$ 28.22	160,186	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008	S	700	D	\$ 28.23	159,486	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008	S	762	D	\$ 28.24	158,724	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008	S	948	D	\$ 28.25	157,776	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008	S	100	D	\$ 28.25	157,676	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008	S	200	D	\$ 28.26	157,476	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008	S	800	D	\$ 28.27	156,676	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008	S	2,515	D	\$ 28.28	154,161	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008	S	2,400	D	\$ 28.29	151,761	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008	S	2,175	D	\$ 28.3	149,586	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008	S	1,125	D	\$ 28.31	148,461	I	by Family Trust <sup>(1)</sup>
Common Stock	08/11/2008	S	2,527	D	\$ 28.32	145,934	I	by Family Trust <sup>(1)</sup>
Common Stock						70,113	D	
Common Stock						29,671	I	byC Sciammas 04 TRST <sup>(2)</sup>
Common Stock						29,671	I	byM Sciammas 04 Trst <sup>(3)</sup>

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 required to respond unless the form**

SEC 1474  
(9-02)

