FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
Lotimatou avorago bare									
hours per response:									
p soponoo.	0.5								

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person* Sciammas Maurice						2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]										ationship of Reporti (all applicable) Director Officer (give title		10% (
(Last) (First) (Middle) 79 GREAT OAKS BLVD					Date /02/			Γran	saction	ı (Mor	nth/Day/Year		X	below) Sr. V.P.of Sales			below)			
(Street) SAN JOS (City)	SAN JOSE CA 95119			9	4.	4. If Amendment, Date of Original Filed (Month/Day/Year)											ividual or Joint/Group Filing (Check Applicabl Form filed by One Reporting Person Form filed by More than One Reporting Person				
	`			- Non-Deriv	ativ	e Se	ecu	rities	Ac	auire	d. Di	isposed o	f. or E	Benefic	cially	Own	ed				
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date,		3 T C	ransac	tion	4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)			r	5. Amo Securi Benefi Owned	Amount of curities neficially med		Ownership m: Direct or irect (I)	7. Nature of Indirect Beneficial Ownership			
								G	Code V		Amount	(A) or (D) Price			Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)		(Instr. 4)		
Common	Stock			01/02/201	3					S ⁽¹⁾		231	D	\$2	23	11	1,812		D		
Common	Stock			01/03/201	3					S ⁽¹⁾		1,182	D	\$23.0	22(2)	11	0,630		D		
Common	Stock															7.	4,004		I	by Family Trust	
Common Stock																10	5,371		I	byC Sciammas 04 TRST	
Common Stock																16,371			I	byM Sciammas 04 Trst	
		Та	ble	II - Derivat					•	,		oosed of,			•	wned					
1. Title of Derivative Security (Instr. 3)	of 2. 3. Transaction 3A. Deemed Execution Date, or Exercise (Month/Day/Year) if any		4. Tran	ransaction of Derivative Securitie Acquiree (A) or Dispose of (D) (Instr. 3, and 5)			ber ive ies ed	6. Da Expir (Mon	te Exe	rcisable and Date //Year)	7. Title and Amount of Securities Underlying Derivative Security (Instr 3 and 4) Amou or Numb		8. I of De See (In	Price rivative curity str. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transactio (Instr. 4)	у	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			

Explanation of Responses:

- 1. In accordance with the reporting person's 10b5-1 trading plan.
- 2. 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 \$23.00 to \$23.05. 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.

By: Saira Tseng For: Maurice Sciammas 01/04/2013

** Signature of Reporting Person Date

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

- * 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).

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

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 Number.