FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL							
OMB Number:	3235-0287						
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hours per response:	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

1. Name and Address of Reporting Person* Sciammas Maurice (Last) (First) (Middle) 6409 GUADALUPE MINES ROAD (Street) SAN JOSE CA 95120					2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR] 3. Date of Earliest Transaction (Month/Day/Year) 06/27/2011 4. If Amendment, Date of Original Filed (Month/Day/Year)								5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title Other (specify below) below) Sr. V.P.of Sales and Marketing 6. Individual or Joint/Group Filing (Check Applicab Line) X Form filed by One Reporting Person Form filed by More than One Reporting			Owner r (specify v) ing Applicable	
(City)	(Sta	ate) (Z	lip)										Pers	•	ie tilali Olie Ke	sporting	
		Tabl	e I - Non-Deriv	ative	Secu	ıritie	s Ac	cquire	ed, [Disposed (of, or	Benefi	cially	Own	ed		
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Yea	Exe ar) if a	2A. Deemed Execution Date, if any (Month/Day/Yea		Code (Instr.							5. Amount of Securities Beneficially Owned		6. Ownership Form: Direct (D) or Indirect (I)		
				(С	ode	v	Amount	(A) or (D)	Price		Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)	(Instr. 4)
Common	Stock		06/27/2011					S ⁽¹⁾		885	D	\$14.9	489(2)	8	4,429	I	by Family Trust ⁽³⁾
Common	Stock		06/27/2011					S ⁽¹⁾		350	D	\$14.9	489(2)	2	0,121	I	byC Sciammas 04 TRST ⁽⁴⁾
Common Stock 06/		06/27/2011					S ⁽¹⁾		350	D	\$14.9	489(2)	2	0,121	I	byM Sciammas 04 Trst ⁽⁵⁾	
Common	Stock													<u> </u>	15,658	D	
		Та	ble II - Derivat e.g., pı							sposed of, , converti				wned	l		
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	Date (Month/Day/Year) if	3A. Deemed Execution Date, if any (Month/Day/Year)		4. Transaction Code (Instr.		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		ration	vercisable and n Date ay/Year)			of Dei Sec (Ins	Price rivative curity str. 5)	ative derivative Securities rity Beneficiall	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership
				Code	v	(A)	(D)	Date Exer	cisab	Expiration le Date	ı Title	Amou or Numb of Share	er				

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 \$14.89 to \$15.01. 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.
- 3. Shares held by Sciammas Family Living Trust, Maurice Sciammas and Christina Sciammas, Trustees
- 4. Shares held by Christina Sciammas 2004 Trust, Christina Sciammas and Maurice Sciammas, Trustees
- 5. Shares held by Maurice Sciammas 2004 Trust, Maurice Sciammas and Christina Sciammas, Trustees

By: Saria Tseng For: Maurice Sciammas

06/27/2011

** Signature of Reporting Person

n 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 ir	nformation contained in this form	n are not required to respond	unless the form displays a curre	ntly valid OMB Number.