

MONOLITHIC POWER SYSTEMS INC  
 Form 4  
 February 23, 2015

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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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 \*  
 SMITH- PILKINGTON KAREN A

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)

5548 CAMINO CERRALVO

(Street)

SANTA BARBARA, CA 93111

(City) (State) (Zip)

3. Date of Earliest Transaction (Month/Day/Year)  
 02/19/2015

Director  10% Owner  
 Officer (give title below)  Other (specify below)

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 Ownership (Instr. 4)
				Code	V	Amount or Price			
Common Stock	02/19/2015		M			705 A \$ 22.01	21,520	D	
Common Stock	02/19/2015		S <sup>(1)</sup>			705 D \$ 50.9576	20,815	D	
Common Stock	02/19/2015		M			15,000 A \$ 23.05	35,815	D	
Common Stock	02/19/2015		S <sup>(1)</sup>			15,000 D \$ 50.9576	20,815	D	

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 displays a currently valid OMB control number.

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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 Security (Instr. 3 and 4)
Non-Qualified Stock Option (right to buy)	\$ 22.01	02/19/2015		M	705	05/22/2009 05/22/2015	Common Stock 7
Non-Qualified Stock Option (right to buy)	\$ 23.05	02/19/2015		M	15,000	05/22/2009 05/22/2015	Common Stock 15

## Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

SMITH- PILKINGTON KAREN A  
5548 CAMINO CERRALVO  
SANTA BARBARA, CA 93111

X

## Signatures

By: Saria Tseng For: Karen Smith  
Bogart

02/23/2015

\_\_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) Transaction was executed during an authorized trading window in compliance with the Company's Insider Trading Compliance Program.

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.