

MONOLITHIC POWER SYSTEMS INC
 Form 4
 February 22, 2007

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL
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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 *
 Xiao Deming
 (Last) (First) (Middle)
 6409 GUADALUPE MINES ROAD
 (Street)
 SAN JOSE, CA 95120
 (City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 MONOLITHIC POWER SYSTEMS INC [MPWR]

3. Date of Earliest Transaction (Month/Day/Year)
 02/21/2007

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 ___ Director ___ 10% Owner
X Officer (give title below) ___ Other (specify below)
 VP, Operations

6. Individual or Joint/Group Filing(Check Applicable Line)
 ___X___ 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Common Stock	02/15/2007		J ⁽¹⁾	V 2,000 A \$ 7.463	26,228	D	
Common Stock	02/21/2007		S	3,728 D \$ 13.7	22,500	D	
Common Stock	02/21/2007		S	5,625 D \$ 13.6985	16,875	D	
Common Stock	02/15/2007		J ⁽¹⁾	V 1,395 A \$ 7.463	2,568	I	by Spouse ⁽³⁾
Common Stock					86,333	I	By Parent

