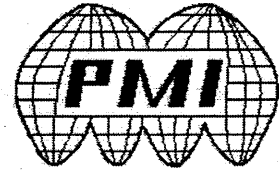


FORM: 016-PS-DTA



PLANAR MONOLITHICS INDUSTRIES  
7311G-GROVE RD., FREDERICK MD. 21704  
TEL: 301-631-1579, FAX: 301-662-2029  
URL: WWW.PLANARMONOLITHICSINDUSTRIES.COM  
EMAIL: SALES@PLANARMONOLITHICS.COM  
ISO 9001:2000 CERTIFIED

## PHASE SHIFTER TEST DATA

CUSTOMER: \_\_\_\_\_  
JOB NO: \_\_\_\_\_  
MODEL NO: PS-90-2550E  
OPTION NO: HS  
PWR SUPPLY: +5V @36 mA; -5V @4 mA

TECHNICIAN: H. Hahn  
DATE: 2-3-06  
SERIAL NO: PM506158  
FREQUENCY RANGE: 1.9 - 5.6 GHz

INSERTION LOSS	VSWR	LOGIC	PHASE
1.55	2.0:1	"1"	170°
2.75	2.0:1	"0"	170°

RISE TIME:	2 nS
FALL TIME:	6 nS
DELAY ON:	12 nS
DELAY OFF:	12 nS

NOTE: ANY ADDITION TEST DATA ON BACK

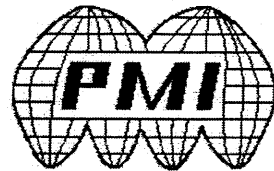
TESTED ON: Agilent N5230A

QA/QC APPROVAL: \_\_\_\_\_

Q4

DATED: 2/3/06

FORM: 016-PS-DTA



PLANAR MONOLITHICS INDUSTRIES  
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ISO 9001:2000 CERTIFIED

## PHASE SHIFTER TEST DATA

CUSTOMER: \_\_\_\_\_  
JOB NO: \_\_\_\_\_  
MODEL NO: PS-90-2550E  
OPTION NO: HS  
PWR SUPPLY: +5V @36 mA; -5V @4 mA

TECHNICIAN: H. Hahn  
DATE: 2-3-06  
SERIAL NO: PM506160  
FREQUENCY RANGE: 1.9 - 5.6 GHz

INSERTION LOSS	VSWR	LOGIC	PHASE
1.53	2.0:1	"1"	170°
2.17	2.0:1	"0"	171°

RISE TIME:	2 nS
FALL TIME:	6 nS
DELAY ON:	12 nS
DELAY OFF:	12 nS

NOTE: ANY ADDITION TEST DATA ON BACK

TESTED ON: Agilent N5230A

QA/QC APPROVAL: \_\_\_\_\_

04

DATED: 2/3/06