



Planar Monolithics Industries, Inc.  
Phone: 301-662-5019 Fax: 301-662-1731

**SUMMARY TEST DATA  
ON  
6 BIT PHASE SHIFTER**

Customer : \_\_\_\_\_  
SO No : 09030-P  
Model No : PDPS-3F-6 Option AL  
Serial No : PL5669

Tested By : Hugo Gonzales  
Temperature : +25°C  
Date : 05/29/09

<u>Insertion Loss</u>	<u>2.75 GHz</u>	<u>3.0 GHz</u>	<u>3.25 GHz</u>
All TTL "1"	<u>-8.90dB</u>	<u>-8.27dB</u>	<u>-8.24dB</u>
All TTL "0"	<u>-9.41dB</u>	<u>-9.55dB</u>	<u>-9.27dB</u>
<u>Phase*</u>			
	<u>2.75 GHz</u>	<u>3.0 GHz</u>	<u>3.25 GHz</u>
<u>State</u>			
5.6°	<u>6.81</u>	<u>6.32</u>	<u>6.13</u>
11.2°	<u>11.87</u>	<u>12.38</u>	<u>11.98</u>
22.5°	<u>24.76</u>	<u>23.93</u>	<u>24.02</u>
45°	<u>45.74</u>	<u>44.38</u>	<u>48.58</u>
90°	<u>87.32</u>	<u>89.72</u>	<u>90.01</u>
180°	<u>179.85</u>	<u>178.95</u>	<u>179.20</u>

\* TTL "1" Low Phase State

VSWR (Max.) @ Input	<u>-15.47dB</u>	<u>1.40:1dB</u>
@ Output	<u>-10.49dB</u>	<u>1.85:1dB</u>

Maximum Steady State Supply Current

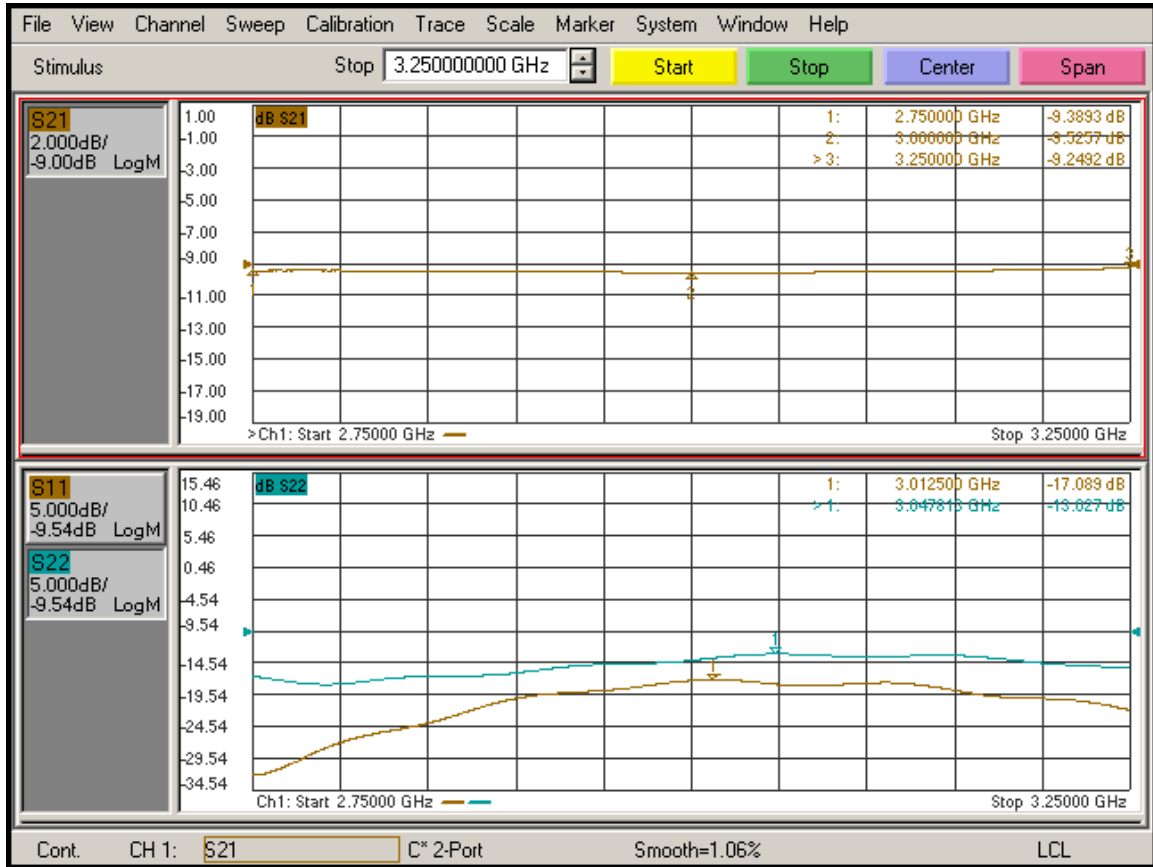
73 mA @ -15VDC  
62 mA @ +5VDC

Production Manager Approval: \_\_\_\_\_ Date: \_\_\_\_\_  
QA/QC Approval: \_\_\_\_\_ Date: \_\_\_\_\_



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### Insertion Loss and Return Loss Plot TTL "000000"





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### Insertion Loss and Return Loss Plot TTL "111111"

