



SUMMARY TEST DATA ON 5-BIT PHASE SHIFTER

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| Customer : _____ Job No : <u>SO10-175-P</u> Model No : <u>PS-360-3237-5-292FF</u> Serial No : <u>PL8502/1102</u> |
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| Tested By : <u>D. DURBIN</u> Temperature : <u>+25°C</u> Date : <u>1/10/11</u> |
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| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | MEASURED VALUE | REMARKS QA/QC |
|---------------|--|--------------------------------------|-------------------------------------|---------------|
| 1 | Frequency Range: | 32 GHz TO 37 GHz | 32 GHz TO 37 GHz | |
| 2 | Insertion Loss: | 8 dB Typical 10 dB Max | Pass See Typical Characteristics | |
| 3 | VSWR Input: | 2.0:1 Typical 2.3:1 Max | Pass See Typical Characteristics | |
| 4 | VSWR Output: | 2.5:1 Typical 3.0:1 Max | Pass See Typical Characteristics | |
| 5 | Step Size (LSB): | 11.25° | 11.25° | |
| 6 | Phase Shift (Max): | 348.75° | 348.75° | |
| 7 | Amplitude Error: | ± 1.50 dB Typical | Pass See Typical Characteristics | |
| 8 | Phase Shift Error: | ± 5.0° Typical | Pass | |
| 9 | Switching Speed (10% to 90% of Phase Shift): | 500 nS Max | Pass By Design | |
| 10 | Voltage: | +15V @ 90 mA Max -15V @ 60 mA Max | +15V @ <1 mA -15V @ <1 mA | |

Production Manager Approval: _____ **Date:** _____

QA/QC Approval: _____ **Date:** _____

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Phase Shift Vs. Digital Value

◆ 32 GHz ■ 34.5 GHz ▲ 37 GHz

