



# Planar Monolithics Industries, Inc.

RF & Microwave Components and Modules to 40GHz

## Digital Phase Shifter

PMI Model No. PS-360-2D4G2D5G-10-CD-SFF

PMI Model Number PS-360-2D4G2D5G-10-CD-SFF is a 2.4GHz to 2.5GHz, 10-Bit digitally controlled phase shifter that offers up to 360 degrees of phase shift range. This model has a LSB of 0.36 degrees and a low insertion loss of 4.0dB typically. This unit provides very fast switching speeds of 300nsec typically while operating on a single +12VDC supply and consuming only 50mA of DC current.



### Specifications:

Frequency Range	2.4 to 2.5GHz
Insertion Loss	4dB Typical
VSWR	1.75:1 Max.
Phase Accuracy	±1.0 typical
Switching Speed	500nsec max., 300nsec Typ.
RF Input Power	+20dBm CW Max.
Control	10 BIT TTL
LSB	0.36 degrees
Positive DC Voltage	+12V @ 50mA Typ.
Size	2.0" X 2.1" X 0.5"
RF Connectors	SMA - Female
Control & Power Connector	15 Pin Sub-D (male)

### Environmental Ratings:

Temperature:	-40°C to +70 °C Operating -40 °C to +85 °C Non-Operating
Shock:	MIL-STD-202F, Method 213B Cond. B
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A



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