

MICRONETICS, INC. 26 Hampshire Drive Hudson, NH 03051	Title: Product Specification Sheet CPS4036, Voltage Variable Phase Shifter	Doc. No. PS-CPS4036 Rev: 2
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ECO No.	Rev.	Description of Change	Date	Eng	Mfg	QA
	2	ADDED IMPEDANCE, UPDATED SPEC TERMINOLOGY	3/6/12	ME		

PARAMETER

SPEC LIMITS

1.0 Microwave Phase Shifter Specifications

1.1 Frequency Range	8 GHz to 12.4 GHz
1.2 Insertion Loss (Maximum)	7.0 dB
1.3 VSWR (Maximum)	2.2:1
1.4 Maximum Power (Operational RF Power)	15 dBm
1.5 Maximum Power (Non-Destruct)	30 dBm
1.6 Insertion Phase Temperature Sensitivity	0.5 deg. (0)/ °C
1.7 Phase Shift Control	

<u>Freq.</u>	<u>Min (12.4 GHz)</u>	<u>Max (8 GHz)</u>
2V	70°	195°
4V	130°	285°
6V	170°	365°
8V	190°	430°
10V	225°	485°

1.8 Impedance	50 Ω
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2.0 General Specifications

2.1 Connectors	
2.1.1 RF (J1, J2)	SMA(f)
2.1.2 Control (E1)	BNC(f)

3.0 Environmental Requirements

3.1 Temperature	
3.1.1 Operating	-55 to +85°C
3.1.2 Storage	-65 to +150°C
3.2 Cooling	Conduction cooling through surface of switch body

4.0 Dimensions

Refer to outline drawing

