

## Product Specification

### CMIVCPS02002000A Voltage Control Phase Shifter 2-20 GHz

#### Electrical Specifications

Parameter	Specification	
Frequency Range	2 - 11 GHz	11 - 20 GHz
Phase Range	180° Typ.	180° Typ.
Insertion Loss	5 dB Typ. 6 dB MAX	12 dB Typ. 13 MAX
Insertion Loss Temperature Coefficient	0.07 dB/°C Typ.	0.07 dB/°C Typ.
Phase Flatness	±20° Typ. ±25° MAX	±20° Typ. ±25° MAX
Control Voltage	0.5 V MIN 8.5 V Typ.	0.5 V MIN 8.5 V Typ.
Input VSWR	2.5 :1 Typ. 3:1 MAX	3.3 :1Typ. 3.5 :1 MAX
Output VSWR	2.5 :1 Typ. 3 :1 MAX	3.3 :1Typ. 3.5 :1 MAX
0.1 dB Compression Point [P0.1dB]	25 dBm Typ.	25 dBm Typ.
Current	2 mA	
Impedance	50 Ω	
Weight	0.35 Ounces	
Input / Output Connectors	SMA-Female	
Finish	Gold Plated	
Material	Aluminum	
Altitude	30,000 ft. [Epoxy Sealed Controlled Environment]	
	60,000 ft 1.0 psi min [Hermetically Sealed Un-Controlled Environment] [Optional]	
Vibration	25 gRMS [15 degrees 2 kHz] endurance, 1 hr/axis	
Humidity	100% RH @ 35° C, 95% RH @ 40° C	
Shock	20 G for 11 msec Half Sine Wave, 3 Axis Both Directions	
Dimensions	See Attached Drawing [Dimensions are in mm]	

## Absolute Maximum Ratings

Control Voltage	-0.5 ~ +15V
RF Input Power	+26 dBm

## Outline Drawing

