

# 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)	

**CALL OUR SALES DEPARTMENT FOR MORE INFORMATION OR VARIATIONS OF THIS PRODUCT.**

**Corry Micronics, Inc. One Plastics Rd. - Corry, PA 16407**  
**(724) 940-7556 ext. 138 Fax (724) 940-7707 [www.cormic.com](http://www.cormic.com)**

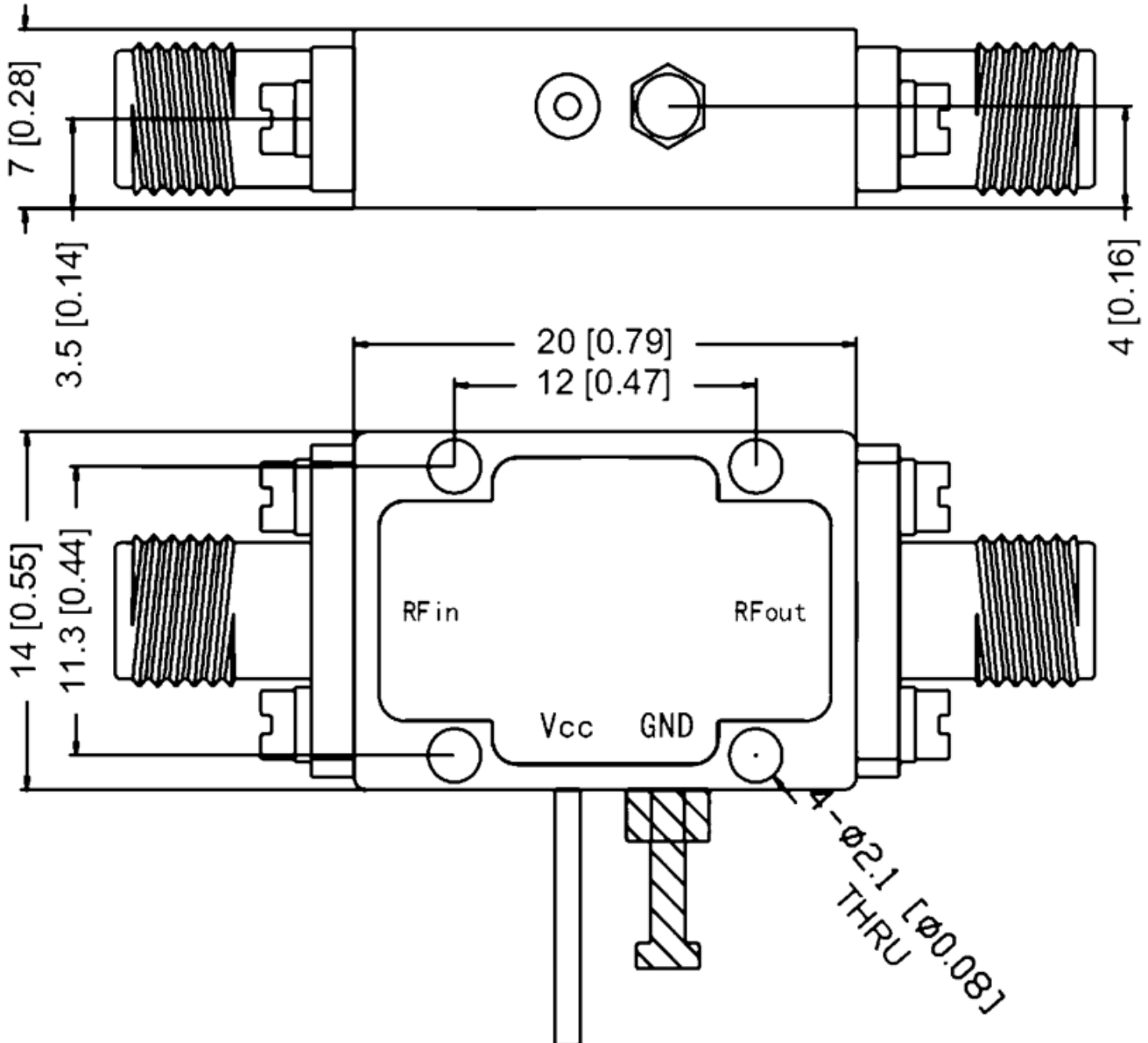
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## Absolute Maximum Ratings

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

## Outline Drawing



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