



# CORRY MICRONICS, INC PRODUCT SPECIFICATION

## CMIPS250290B8 8-bit Dispersive Phase Shifter

### Electrical Specifications

Parameters	Specifications
Frequency Range	25 ~ 29 GHz
Insertion Loss	≤ 12 dB
VSWR	≤ 1.8:1
Phase Shift	Step 1.4°, 8 bit
Phase Shift Accuracy	≤ ±5° @ 27 GHz (Center Frequency)
Amplitude Ripple	≤ ±1 dB Over Frequency and Phase Range
Phase Balance	≤ ±3° @ Between All the Same Batch Switches
Max Input Power	+30 dBm
Power Supply	+5 V (180 mA), -5 V (180 mA)
Port Connectors	SMA-Female
Operating Temperature	-40 °C ~ +70° C
Surface Finish	Natural Color Conductive Oxidation
Dimensions	See Attached Drawing (All measurements are in mm)

### Truth Table

E1	E2	E3	E4	E5	E6	E7	E8	180°	90°	45°	22.5°	11.25°	5.625°	2.8 °	1.4 °	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	0	180°	0	0	0	0	0	0	0	
0	1	0	0	0	0	0	0	0	90°	0	0	0	0	0	0	
0	0	1	0	0	0	0	0	0	0	45°	0	0	0	0	0	
0	0	0	1	0	0	0	0	0	0	0	22.5°	0	0	0	0	
0	0	0	0	1	0	0	0	0	0	0	0	11.25°	0	0	0	
0	0	0	0	0	1	0	0	0	0	0	0	0	5.625°	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	0	0	2.8 °	0	
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1.4 °	
1	1	1	1	1	1	1	1									358.575°

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

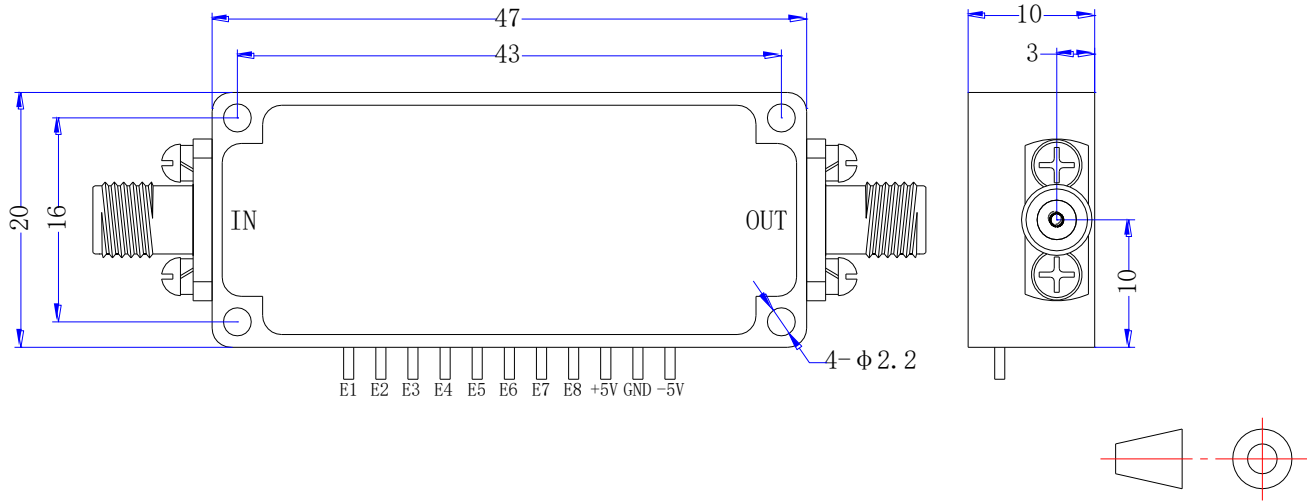
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## Outline Drawing



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