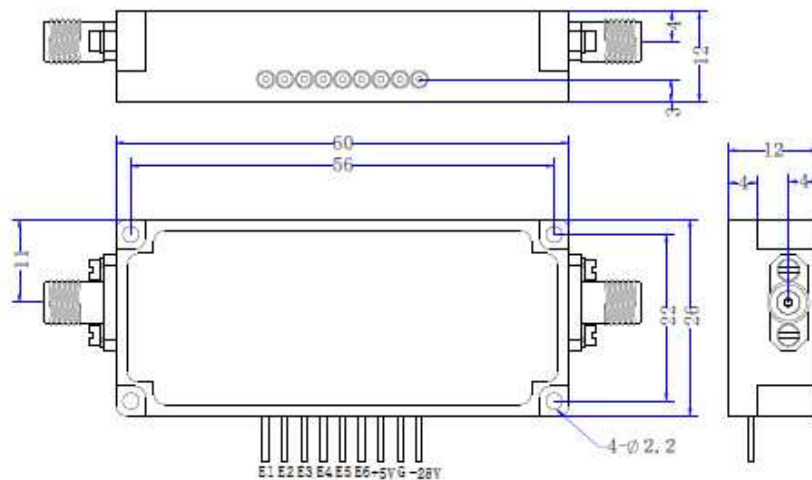




CORRY MICRONICS, INC PRODUCT SPECIFICATION

CMIPS-0912B6
6-bit Dispersive Phase Shifter

| Parameters | Specifications |
|-------------------------|--------------------------------------------------------------------------------------------------------|
| Frequency Range | 0.9-1.2 GHz |
| Insertion Loss | ≤ 2.0 dB |
| VSWR | ≤ 1.5:1 |
| Phase Shift Flatness | ≤ ±4° @ 1.05 GHz (center frequency) |
| Phase Unbalance | ≤ ±3° (phase difference between different phase shifter) |
| Amplitude Variation | ≤ ±0.3dB (caused by phase change) |
| Amplitude Unbalance | ≤ ±0.3dB (amplitude difference between different phase shifter) |
| Max. Input Power | ≤ 550W peak; ≤ 10W CW |
| Control Bit | 6 bit (basic phase shift degrees: 5.625°, 11.25°, 22.5°, 45°, 90°, 180°) @ 1.05 GHz (center frequency) |
| Power Supply | +5V(400mA), -28V(50mA) |
| Control Logic | 6-bit TTL (0: TTL low, 1: TTL high) |
| Input/Output Connectors | SMA-Female |
| Operating Temperature | -40°C ~ 70°C |
| Storage Temperature | -55°C ~ 85°C |
| Surface Finish | Natural Color Conductive Oxidation |
| Dimensions | See Below Drawing All measurements 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

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Truth Table:

| E1 | E2 | E3 | E4 | E5 | E6 | 5.625° | 11.25° | 22.5° | 45° | 90° | 180° |
|----|----|----|----|----|----|----------|--------|-------|-----|-----|------|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 5.625° | 0 | 0 | 0 | 0 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 11.25° | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 22.5° | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 45° | 0 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 90° | 0 |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 180° |
| 1 | 1 | 1 | 1 | 1 | 1 | 354.375° | | | | | |

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