

# Jersey Microwave

## Digital Phase Shifter High Power, Low Loss

### Features

- ✓ Super Low Loss
- ✓ Hot switching up to 100W CW
- ✓ 6 Bits with 5.625° phase increments
- ✓ +/-1° phase repeatability
- ✓ +/-4° phase tracking, unit to unit
- ✓ Standard RS-422 Control (parallel interface)

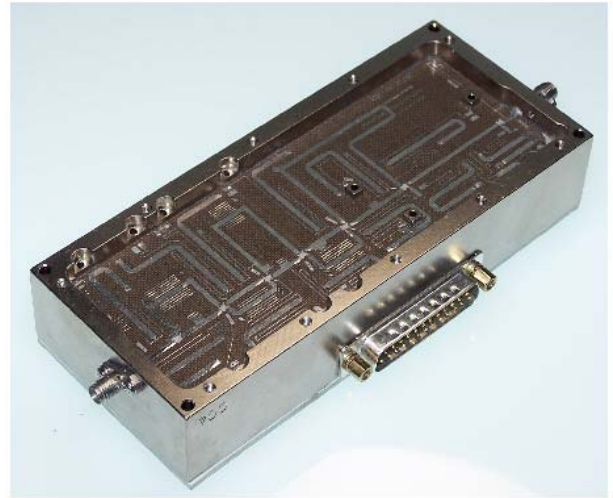
### Options

- Control Logic
- Frequency Range

### Description

Jersey Microwave's DPL Digital Phase Shifter offers an insertion loss of 1.20 dB and 0.35 dB insertion loss variation over a 360° phase shift. The unit has the capability of "Hot" switching between phase states, and On/Off RF switching under input power of 100W CW. Phase accuracy is +/- 2° for the 5.6° and 11.25° bits, +/- 3° for the rest of the bits, and +/- 5° for any combination of bits.

Jersey Microwave components can be tailored to meet your company's specific needs.



### Electrical Specifications

Parameter	Limit
Frequency Range	1200 – 1400 MHz
Insertion Loss	0.2 - 0.5 dB/bit typical (frequency dependent)
Insertion Loss Variation	0.25 dB per bit
VSWR – Input/Output	1.50:1 max.
Switching Speed	<2000 ns
Power Handling	Up to 100W CW
Temperature Stability	+/- 1°
Repeatability	+/- 1°
Control Input	RS-422
DC Power Requirement	800ma @ +5 VDC 50ma @ -65 VDC
Interfaces DC Connector RF Input/Output	D-Sub Connector SMA-Female
Temperature Range	-40° C to +80° C

Note: Specifications are subject to change without notice