1.0 TO 2.0 GHz, LOW LOSS, HIGH SPEED, 180° BIPHASE MODULATOR / PHASE SHIFTER

KEY FEATURES:

- ≥ 2.0 dB LOW LOSS
- ≥ 30 nS VERY HIGH SPEED
- 4° TYPICAL PHASE BALANCE

FREQUENCY RANGE: 1.0 TO 2.0 GHz
INSERTION LOSS: 2.0 dB TYPICAL
AMPLITUDE BALANCE: 1.0 dB TYPICAL, 1.3 dB MAXIMUM
PHASE BALANCE: 4° TYPICAL, 5° MAXIMUM
VSWR: 2.0:1
CARRIER SUPPRESSION: 20 dBc
SWITCHING SPEED: 30 nS TYPICAL
OPERATING RF INPUT POWER: + 20 dBm
SURVIVAL RF INPUT POWER: + 27 dBm (0.5 Watt), 1mS PULSE WIDTH
DC POWER SUPPLY (NO LOAD): + 5 VDC @ 75 Ma MAXIMUM
- VDC: − 5 VDC @ 20 Ma MAXIMUM
SIZE: 1.00” X 1.00” X 0.50”
WEIGHT: ≤ 2.0 oz.
1.0 TO 2.0 GHz, LOW LOSS, HIGH SPEED, 180° BIPHASE MODULATOR / PHASE SHIFTER

“OFF” State
Input and Output Return Loss
Relative Phase at “0” degrees

“ON” State
Input and Output Return Loss
Relative Phase at “180” degrees

MECHANICAL OUTLINE: