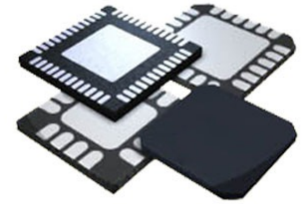


## Phase Shifter Digital 2300MHz to 3800MHz 24-Pin PQFN EP

T/R



Images are for reference only

[Inquiry](#)

**Manufacturer:** [MACOM Technology Solutions](#)

**Package/Case:** QFN

**Product Type:** RF Integrated Circuits

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

The MAPS-010164 is a GaAs pHEMT 6-bit digital phase shifter with an integrated CMOS driver in a 4 mm PQFN plastic surface mount package. Stepsize is 5.6° providing phase shift from 0° to 360° in 5.6° steps. This design has been optimized to minimize variation in attenuation over the phase shift range. The MAPS-010164 is ideally suited for use where high phase accuracy with minimum loss variation over the phase shift range are required. The 4 mm PQFN package provides a smaller footprint than is typically available for a digital phase shifter with an internal driver. Typical applications include communications antennas and phased array radars.

### Key Features

- 6 Bit Digital Phase Shifter
- RoHS\* Compliant
- Lead-Free 4 mm 24-Lead PQFN Package
- EAR99
- 50 Ohm Impedance
- Minimal Attenuation Variation over Phase Shift Range
- Low DC Power Consumption
- Serial or Parallel Control
- Integrated CMOS Driver
- 360° Coverage with LSB = 5.6°
- Aerospace and Defense
- Wireless Networking and Communication

### Application

- Min Frequency: 2,300 MHz
- Max Frequency: 3,800 MHz
- Bit Count: 6
- LSB: 5.6 deg
- Insertion Loss: 3.2 dB
- IIP3: 45 dBm
- RMS Phase Error: 3 deg

### Recommended For You

**MASW-007107-TR3000**

MACOM Technology Solutions

PDFN-8

**MAAD-007086-000100**

MACOM Technology Solutions

SOP24

**MAAD-000523-TR1000**

MACOM Technology Solutions

QFN

**MATI0030**

MACOM Technology Solutions

SMD

**MAATSS0017**

MACOM Technology Solutions

SSOP16

**MAAVSS0007TR**

MACOM Technology Solutions

SOP-8

**MATI0010**

MACOM Technology Solutions

TSSOP

**MAATSS0015**

MACOM Technology Solutions

SOP16

**MATI0020**

MACOM Technology Solutions

SOP16

**MASW-000834-13560T**

MACOM Technology Solutions

QFN

**MASW-007921-TR3000**

MACOM Technology Solutions

PDFN8

**MA4SW210B-1**

MACOM Technology Solutions

SMD

**MA4SW410**

MACOM Technology Solutions

SMD

**MAAVSS0008**

MACOM Technology Solutions

SOP8

**MAATCC0007**

MACOM Technology Solutions

SOP