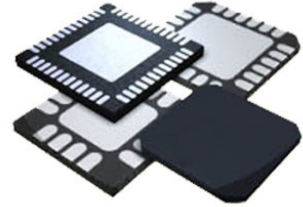


Phase Shifter Digital 1200MHz to 1400MHz 24-Pin PQFN Bulk



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-011007 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-011007 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

Low RMA Attenuation Error: 0.4 dB

Minimal Attenuation Variation over Phase Shift Range

Low RMS Phase Error: 2°

Serial or Parallel Control

Integrated CMOS Driver

360° Coverage with LSB = 5.6°

Aerospace and Defense

Application

Min Frequency: 1,200 MHz

Max Frequency: 1,400 MHz

Bit Count: 6

LSB: 5.625 deg

Insertion Loss: 3.8 dB

IIP3: 48 dBm

RMS Phase Error: 2 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

MAT10030

MACOM Technology Solutions

SMD

MAATSS0017

MACOM Technology Solutions

SSOP16

MAAVSS0007TR

MACOM Technology Solutions

SOP-8

MAT10010

MACOM Technology Solutions

TSSOP

MAATSS0015

MACOM Technology Solutions

SOP16

MAT10020

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