
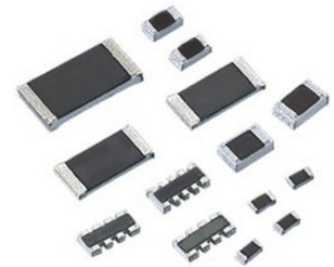


Phase Shifter Digital 1400MHz to 2400MHz T/R

Manufacturer:	MACOM Technology Solutions
Package/Case:	SMD
Product Type:	RF Integrated Circuits
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The MAPS-010163 is a GaAs pHEMT 6-bit digital phase shifter with an integral 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-010163 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 Impedance
- Minimal Attenuation Variation over Phase Shift Range
- Low DC Power Consumption
- Serial or Parallel Control
- Integral CMOS Driver
- 360° Coverage with LSB = 5.6°
- Aerospace and Defense
- Wireless Networking and Communication

Application

- Min Frequency: 1,400 MHz
- Max Frequency: 2,400 MHz
- Bit Count: 6
- LSB: 5.6 deg
- Insertion Loss: 5 dB
- Insertion Loss: 5 dB
- IIP3: 40 dBm
- RMS Phase Error: 3 deg
- CMOS Driver: 1

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