
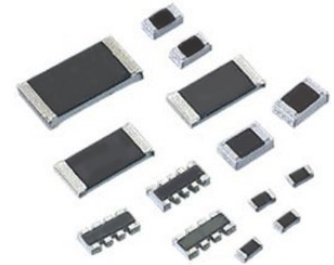


RF Switch SPST 50MHz to 2.65GHz 22dB Gel

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



Images are for reference only

[Inquiry](#)

General Description

The MA4SW110, MA4SW210 and MA4SW310 are series-shunt, broadband, PIN diode switches made with MACOM's HMIC™ (Heterolithic Microwave Integrated Circuit) process. This process allows the silicon pedestals which form the series - shunt diodes and vias to be embedded into low loss, low dispersion glass. By also incorporating small spacing between circuit elements, the result is an HMIC™ chip with low insertion loss and high isolation at frequencies up to 26.5GHz. They are designed for use as moderate power, high performance switches and provide superior performance when compared to similar designs that use discrete components. The top side of the chip is protected by a polymer coating for manual or automatic handling and large gold bond pads help facilitate connection of low inductance ribbons. The gold metallization on the backside of the chip allows for attachment via 80/20, gold/tin solder or conductive silver epoxy.

Key Features

Broad Bandwidth

Specified from 50 MHz to 20 GHz

Up to +30dBm C.W. Power Handling @ +25°C

Glass Encapsulated Chip with Polymer Protective Coating

Rugged Design Fully Monolithic

Lower Insertion Loss and Higher Isolation than Comparable pHEMT/Discrete Component Designs

Usable from 50 MHz to 26.5 GHz

50 nS Switching Speed

Aerospace and Defense

ISM

Application

Min Frequency: 50 MHz

Max Frequency: 26,500 MHz

Insertion Loss : 0.6 dB

Isolation: 48 dB

IIP3: 40 dBm

CW Incident Power: 2 W

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