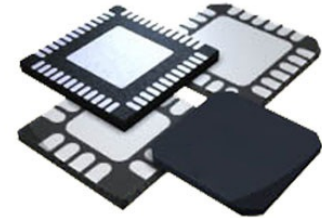


## Diode PIN Attenuator/Switch 100mA 2-Pin SMD T/R



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Skyworks Solutions, Inc](#)

**Package/Case:** QFN

**Product Type:** Thyristors

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

The SMP1324-087LF is a surface mountable PIN diode suitable for use in an RF switch or attenuator circuit.

Maximum resistance at 50 mA is 0.75  $\Omega$  and maximum capacitance at 30 V is 1.5 pF. The combination of low capacitance, low parasitic inductance, low thermal resistance, and nominal 100  $\mu\text{m}$  I-region width, makes the SMP1324-087LF useful in large signal switches and attenuator applications.

The device has a 2 W dissipation power rating, which makes it capable of handling up to 50 W Continuous Wave (CW) and 500 W peak (1  $\mu\text{s}$  pulse, 1 percent duty cycle) in a shunt-connected transmit/receive (T/R) switch.

Design information for high power switches may be found in the Skyworks Application Note, Design With PIN Diodes (document number 200312).

### Key Features

Low-series resistance: 0.75  $\Omega$  maximum @ 50 mA

Low total capacitance: 1.5 pF maximum @ 30 V

Excellent thermal resistance: 40  $^{\circ}\text{C}/\text{W}$  typical

QFN (2 x 2 mm) package (MSL1, 260  $^{\circ}\text{C}$  per JEDEC J-STD-020)

### Recommended For You

#### SMS7630-040LF

Skyworks Solutions, Inc

QFN

#### SMP1321-079LF

Skyworks Solutions, Inc

SC-79

#### SMS7630-005

Skyworks Solutions, Inc

SOT-23

**SMS7621-005**

Skyworks Solutions, Inc

SOT-23

**SMP1322-005LF**

Skyworks Solutions, Inc

SOT-23

**SMS7621-040LF**

Skyworks Solutions, Inc

SMD

**SMS7630-061**

Skyworks Solutions, Inc

QFN

**SMV1705-079LF**

Skyworks Solutions, Inc

SC-79

**SMP1330-085LF**

Skyworks Solutions, Inc

QFN

**SMP1302-085LF**

Skyworks Solutions, Inc

QFN

**SMS7621-060**

Skyworks Solutions, Inc

SMD

**SMS7621-517**

Skyworks Solutions, Inc

4-LGA

**SMS3923-040LF**

Skyworks Solutions, Inc

SOD882

**SMV1247-040LF**

Skyworks Solutions, Inc

DFN

**SMS3922-079LF**

Skyworks Solutions, Inc

SC79