
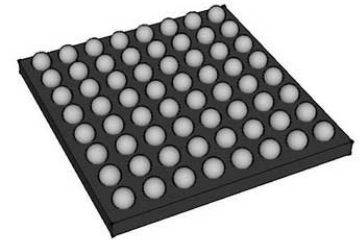


Diode PIN Attenuator/Switch 100V 200mA 2-Pin QFN EP T/R

Manufacturer:	Skyworks Solutions, Inc
Package/Case:	BGA
Product Type:	Thyristors
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The SMP1325-087LF is a surface mountable PIN diode suitable for use in an RF switch or attenuator circuit.

Maximum resistance at 100 mA is 0.55 Ω and maximum capacitance at 20 V is 0.6 pF. The combination of low capacitance, low parasitic inductance, low thermal resistance, and nominal 100 μm I-region width, makes the SMP1325-087LF 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 μs 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: 0.55 Ω maximum @ 100 mA
- Low total capacitance: 0.6 pF maximum @ 20 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)

Application

- Radar
- Instrumentation
- Space
- Surveillance Systems
- Electronic Warfare
- Small Cells
- Military Communications
- Avionics
- Macro/Massive MIMO

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