Product catalog

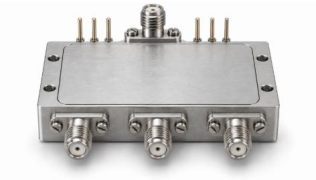
PIN Diode Switches

PIN diode switches use biased semiconductor junctions to control RF and microwave paths without moving contacts. They are used in fast T/R switching, RF gating, receiver protection and compact control modules.



Products: 2

Revision: 1 · Revision date: 2026-11-08



LCSP3T-30-6000

30 MHz–6 GHz PIN Diode SP3T RF Switch Module

PIN diode SP3T module for RF path selection from 30 MHz to 6 GHz. Insertion loss is 3 dB typical and 3.5 dB maximum; isolation is 80 dB typical and switching time 200 ns typical.

Frequency range: Value: 30–6000; Unit: MHz

Insertion loss: Value: 3 /3.5; Unit: dB; Notes: Typical: 3 dB; Maximum: 3.5 dB

VSWR: Value: 2.0; Notes: Maximum: 2

Isolation: Value: 80; Unit: dB; Notes: Typical: 80 dB

Product details Product datasheet



LCSP3T-500-6000-4

500–6000 MHz Four-Channel Reflective PIN SP3T Switch Module

The module integrates four independent PIN-diode SP3T switches over 500–6000 MHz. Isolation is 80 dB typical and switching time is 100 ns typical.

Frequency range: Value: 500–6000; Unit: MHz; Notes: Minimum: 500 MHz. Maximum: 6000 MHz.

Number of independent switches: Value: 4

Switch type: Value: SP3T

Switch topology: Value: Reflective

Product details Product datasheet

Document notice

Specifications are subject to revision. Before design release, confirm the current document revision and product-specific requirements with LCRF. The approved quotation and order documentation define the supplied configuration.