

PIN, Limiter, Schottky, Varactor Diodes

Select Diodes Available from Stock for Prototype or High-Volume Production

PIN Diodes for Switch and Attenuator Applications

Switching PIN Diodes	Features	Markets
SMP1345-040LF	High isolation, fast switching, C_j 0.12 pF	WLAN, infrastructure, general
SMP1320-040LF	Fast switching, high isolation, low insertion loss	WLAN, infrastructure, general
SMP1352-079LF	Large signal	Infrastructure, general
SMP1302-085LF	High power (50 W) handling, shunt	Land mobile radio, LTE base station, and more
SMP1325-087LF	High power (35 W) handling, series	Land mobile radio, LTE base station, and more
Attenuator PIN Diodes		
SMP1307-004LF	Low distortion / high IP3, dual	CATV, PON, base station, and more
SMP1307-027LF	Low distortion / high IP3, quad PI	CATV, PON, base station, and more

Limiter Diodes for Receiver Protection Applications

Limiter Diodes	Features	Markets
SMP1330-005LF	Clean-up limiter, +30 dBm input power, +13 dBm flat leakage power, up to 2.5 GHz	Land mobile radio, military, infrastructure, and more
SMP1330-085LF	Low loss, high power, +30 dBm input power, +13 dBm flat leakage power, up to 4 GHz	Land mobile radio, military, infrastructure, and more
CLA4603-085LF	Medium power, low loss, +33 dBm input power, +13 dBm flat leakage power, up to 10 GHz	Land mobile radio, military, infrastructure, and more
CLA4606-085LF	Medium power, low loss, +35 dBm input power, +18 dBm flat leakage power, up to 10 GHz	Land mobile radio, military, infrastructure, and more
CLA4609-086LF	Course limiter, high power handling, +43 dBm input power, +41 dBm flat leakage power, up to 6 GHz	Land mobile radio, military, infrastructure, and more

Schottky Diodes for Detector and Mixer Applications

Detector Diodes	Features	Markets
SMS7621-060	Excellent sensitivity, low capacitance, 0201, performs up to 100 GHz	WLAN, military, infrastructure, and more
SMS7621-040LF	Excellent sensitivity, low capacitance, 0402	WLAN, military, infrastructure, and more
SMS7621-005LF	Excellent sensitivity, low capacitance, series pair	Infrastructure, smart energy, infrastructure, and more
SMS7630-061	Best sensitivity, zero bias, 0201, performs up to 100 GHz	WLAN, military, infrastructure, and more
SMS7630-040LF	Best sensitivity, zero bias, 0402	WLAN, military, infrastructure, and more
SMS3922-079LF	Medium barrier, high breakdown voltage	Infrastructure and more

Tuning Varactor Diodes for VCO, Voltage Tuned Filters, and Phase Shifter Applications

Hyperabrupt Diodes	Features	Markets
SMV1232-040LF	High capacitance ratio at low reverse voltage: $C_{j1}/C_{j2} = 1.7$ typical	Automotive, smart energy, WLAN, test and measurement, infrastructure, and more
SMV1234-040LF	Low capacitance (6.5 pF @ 1 V, 2 pF @ 6 V), low resistance (0.8 Ω)	Automotive, smart energy, WLAN, test and measurement, infrastructure, and more
SMV1247-040LF	Low capacitance (7 pF @ 0.3 V, 0.7 pF @ 4.7 V), high Q (1500)	Automotive, smart energy, WLAN, test and measurement, infrastructure, and more
SMV1249-079LF	Medium capacitance (31 pF @ 0.3 V, 2.6 pF @ 4.7 V)	Automotive, smart energy, WLAN, test and measurement, infrastructure, and more
SMV1255-079LF	High capacitance (64 pF @ 0.3 V, 5.2 pF @ 4.7 V)	Automotive, smart energy, WLAN, test and measurement, infrastructure, and more
Abrupt Diodes		
SMV1405-040LF	Ultra high Q (3200)	Automotive, smart energy, WLAN, test and measurement, infrastructure, and more
SMV1413-079LF	Low resistance, high Q	Automotive, smart energy, WLAN, test and measurement, infrastructure, and more

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