

# INFINEON Diodes



This product is RoHS compliant.



RoHS Compliant

## GENERAL PURPOSE DIODES

General Purpose Diodes for rectifying, switching and clamping. More than 60 types are available mainly in the packages SOT23, SOT323, SOT363 and TSLP. They meet the requirements for low leakage current, low switching time, high variation of permitted current and small packages resp. more elements per package. General Purpose Diodes are used in all kinds of applications e.g. Safety, Cellular phones, TV chassis, Set-Top Box, Camcorder, Motherboards etc.

### High Speed Switching Diodes

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package	Configuration	VR (max)	IF (max)	IR (max)	Trr (max)	Price Each			
								1	10	100	500
726-BAS2103WE6327	BAS2103WE6327XT	SOD-323-2	Single	200V	250mA	100nA	50ns	.38	.25	.125	.045
726-BAW78DE6327	BAW78DE6327XT	SOT-89-4	Single	400V	100mA	100nA	1000ns	.53	.425	.318	.265
726-SMBD7000E6327	SMBD7000E6327XT	SOT-23-3	Dual	100V	200mA	300nA	4ns	.49	.32	.14	.064
726-BAS21UE6327	BAS21UE6327XT	SC-74-6	Triple	200V	250mA	100nA	50ns	.56	.397	.238	.11

### Switching and Rectifier Diodes

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package	Configuration	VR (max)	IF (max)	IR (max)	Trr (max)	Price Each			
								1	10	100	500
726-BAS16E6327	BAS16E6327XT	SOT-23-3	Single	75V	250mA	80nA	4ns	.40	.26	.113	.052
726-MMBD914LT1	MMBD914LT1XT	SOT-23-3	Single	100C	250mA	100nA	4ns	.42	.27	.12	.055
726-SMBD914E6327	SMBD914E6327XT	SOT-23-3	Single	100V	250mA	100nA	4ns	.38	.25	.13	.065
726-BAS21E6327	BAS21E6327XT	SOT-23-3	Single	200V	250mA	100nA	50ns	.44	.28	.125	.06
726-BAV170E6327	BAV170E6327XT	SOT-23-3	Dual	80V	200mA	5nA	15000ns	.24	.21	.131	.046
726-BAV199E6327	BAV199E6327XT	SOT-23-3	Dual	80V	200mA	5nA	15000ns	.40	.27	.128	.069
726-BAV70E6327	BAV70E6327XT	SOT-23-3	Dual	80V	200mA	150nA	4ns	.42	.27	.119	.054
726-MMBD7000LT1	MMBD7000LT1XT	SOT-23-3	Dual	100V	200mA	500nA	4ns	.45	.29	.129	.059

### Bridge Rectifier Diodes

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package	Configuration	VR (max)	IF (max)	IR (max)	Trr (max)	Price Each			
								1	10	100	500
726-BGX50AE6327	BGX50AE6327XT	SOT-143-4	Bridge	50V	140mA	200nA	6ns	.51	.35	.238	.138

## PIN DIODES

RF PIN diodes feature very low forward resistance, capacitance and low harmonics. Products for a frequency range from 1MHz and up to 6GHz are offered. Antenna switches, TV- and FM-tuner, as well as signal attenuators belong to the target applications. Single and dual diodes are available in various packages, including super-mini.



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MOUSER STOCK NO.	Infineon Part No.	Package	Configuration	IF (max)	CT (max)	rF (typ)	Trr (typ)	Price Each			
								1	10	100	500
726-BA592E6327	BA592E6327XT	SOD-323-2	Single	100mA	1.4pF	0.36Ohm	120ns	.45	.31	.209	.114
726-BAR6303WE6327	BAR6303WE6327XT	SOD-323-2	Single	100mA	0.3pF	1Ohm	75ns	.57	.40	.245	.106
726-BAR6404WH6327	BAR6404WH6327XT	SOD-323-3	Dual	100mA	0.35pF	2.1Ohm	1550ns	.36	.317	.275	.138
726-BAR6405WH6327	BAR6405WH6327XT	SOD-323-3	Dual	100mA	0.35pF	2.1Ohm	1550ns	.36	.317	.275	.138
726-BAR6406WH6327	BAR6406WH6327XT	SOD-323-3	Dual	100mA	0.35pF	2.1Ohm	1550ns	.36	.317	.275	.138
726-BAR141E6327	BAR141E6327XT	SOT-23-3	Dual	140mA	0.5pF	7Ohm	1000ns	.67	.53	.40	.23
726-BAR151E6327	BAR151E6327XT	SOT-23-3	Dual	140mA	0.5pF	7Ohm	1000ns	.67	.53	.40	.23

## RF VARACTOR DIODES

Infineon Varactor Diodes feature excellent inline matching, extremely low leakage current and low series resistance. It is the ideal choice for prestage filter and bandpass filter in SAT/UHF/VHF/FM tuner applications. Varactor Diodes, that are optimized for use in low tuning voltage applications, e.g. VCO's for mobile communication, are also offered. Available as single and dual diodes in various packages, including super-mini TSLP-package.



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### UHF and VHF Tuners

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package	Configuration	IF (max)	CT1 (typ)	CT2 (typ)	CT/CT	Price Each			
								1	10	100	500
726-BB439E6327	BB439E6327XT	SOD-323-2	Single	20mA	43pF	34.5pF	6.9 (2/25V)	.70	.60	.477	.278
726-BB535E7904	BB535E7904XT	SOD-323-2	Single	20mA	18.7pF	15pF	6.7(2/25V)	.44	.31	.19	.082
726-BB639E7904	BB639E7904XT	SOD-323-2	Single	20mA	38.3pF	29.75pF	14.7(1/28V)	.52	.37	.222	.096
726-BB640E6327	BB640E6327XT	SOD-323-2	Single	20mA	69pF	54.5pF	16.6(2/25V)	.48	.34	.223	.121
726-BB833E6327	BB833E6327XT	SOD-323-2	Single	20mA	9.3pF	--	12.7(1/28V)	.49	.38	.262	.181

## SCHOTTKY DIODES

RF & AF Schottky diodes for Detector, Mixer, Clipping and Clamping, Switching and Rectifier Applications. Features include low forward resistance, low leakage, low capacitance and low level of signal distortion. Products for a current up to 3A and reverse voltages up to 240V are offered. Single Diodes and Diode Arrays in a variety of packages are offered, TSLP-package, including super-mini.



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MOUSER STOCK NO.	Infineon Part No.	Package	Configuration	VR (max)	IF (max)	CT (max)	VF (max)	Price Each			
								1	10	100	500
726-BAT54-06E6327	BAT5406E6327XT	SOT-23-3	Single	30V	200mA	10pF	800mV	.58	.39	.185	.069
726-BAT54E6327	BAT54E6327XT	SOT-23-3	Single	30V	200mA	10pF	800mV	.28	.25	.163	.062
726-BAT64E6327	BAT64E6327XT	SOT-23-3	Single	40V	250mA	4pF	570mV	.40	.28	.16	.064
726-BAS40E6327	BAS40E6327XT	SOT-23-3	Single	40V	120mA	3pF	720mV	.47	.33	.20	.113
726-BAS70E6327	BAS70E6327XT	SOT-23-3	Single	70V	70mA	1.5pF	705mV	.47	.33	.20	.113
726-BAT54-04E6327	BAT5404E6327XT	SOT-23-3	Dual	30V	200mA	10pF	800mV	.58	.39	.185	.069
726-BAT54-05E6327	BAT5405E6327XT	SOT-23-3	Dual	30V	200mA	10pF	800mV	.58	.39	.185	.069
726-BAS40-04E6327	BAS4004E6327XT	SOT-23-3	Dual	40V	120mA	3pF	720mV	.47	.335	.201	.093
726-BAT64-04E6327	BAT6404E6327XT	SOT-23-3	Dual	40V	250mA	4pF	570mV	.42	.29	.17	.06
726-BAT64-05E6327	BAT6405E6327XT	SOT-23-3	Dual	40V	250mA	4pF	570mV	.42	.303	.181	.084
726-BAT64-06E6327	BAT6406E6327XT	SOT-23-3	Dual	40V	250mA	4pF	570mV	.42	.29	.17	.06
726-BAS40-05E6327	BAS4005E6327XT	SOT-23-3	Dual	40V	120mA	3pF	720mV	.47	.33	.201	.087
726-BAS40-06E6327	BAS4006E6327XT	SOT-23-3	Dual	40V	120mA	3pF	720mV	.47	.33	.201	.065
726-BAS70-04E6327	BAS7004E6327XT	SOT-23-3	Dual	70V	70mA	1.6pF	705mV	.47	.335	.201	.093
726-BAS70-05E6327	BAS7005E6327XT	SOT-23-3	Dual	70V	70mA	1.6pF	705mV	.47	.335	.201	.093
726-BAS7006E6327	BAS7006E6327XT	SOT-23-3	Dual	70V	70mA	1.6pF	705mV	.47	.335	.201	.093