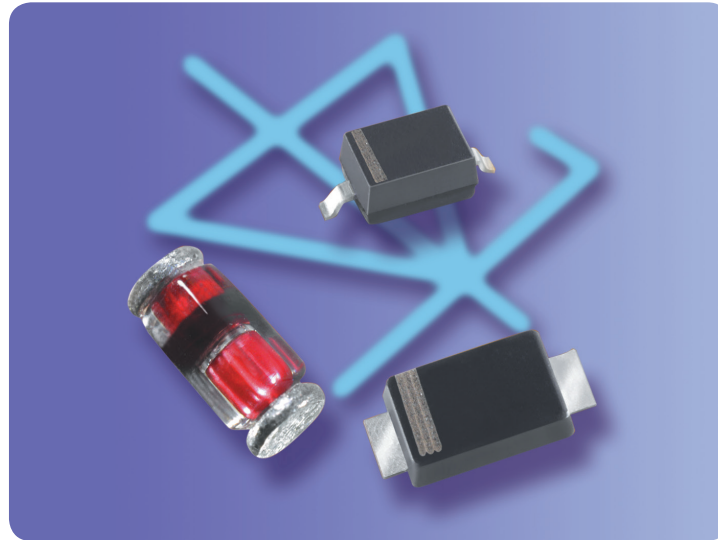


Zener Diodes Selector Guide



FEATURED PACKAGES

SOD-523	MicroMELF (Glass)
SOD-323	QuadroMELF SOD-80 (Glass)
DO-219AC (MicroSMF)	MiniMELF SOD-80 (Glass)
SOD-123	MELF DO-213AB (Glass)
SOT-23	MELF DO-213AB (Plastic)
DO-219AB (SMF)	DO-35 (Glass)
DO-215AA	DO-41 (Glass)
DO-220AA	DO-204AL (Plastic)
DO-214AC (SMA)	SOD-57 (Sinterglass)
DO-214AA	SOD-64 (Sinterglass)



ZENER DIODES

Table of Contents

SOD-523.....3

SOD-323.....3

DO-219AC (MicroSMF)3

SOD-123.....3

SOT-234

DO-219AB (SMF).....4

DO-215AA4

DO-220AA (SMP).....4

DO-214AC (SMA)5

DO-214AA (SMB)5

MicroMELF (Glass)5

QuadroMELF SOD-80 (Glass)5

MiniMELF SOD-80 (Glass)6

MELF DO-213AB (Glass).....6

MELF DO-213AB (Plastic)6

DO-35 (Glass).....6

DO-41 (Glass).....7





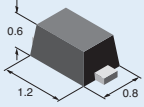
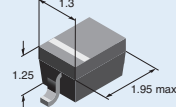
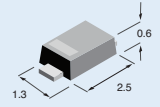
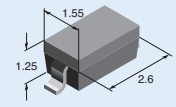
DO-204AL (Plastic).....7

SOD-57 (Sinterglass).....7

SOD-64 (Sinterglass).....7



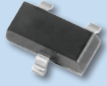


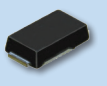
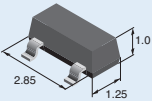
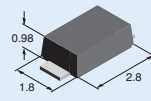
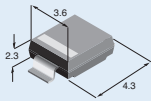
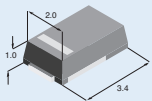
ZENER DIODES

P _{tot} (mW)	Zener Voltage Range V _Z (V)	Zener Voltage Tolerances					
		5 %	2 %	SOD-523	SOD-323	DO-219AC (MicroSMF)	SOD-123
Characteristics				Surface-Mount			
200	2.4 to 51	C		BZX584C*			
200	2.4 to 75	C	B		BZX384* BZX384*-G		
200	2.02 to 36.87				GDZ* GDZ*-G		
300	2.7 to 51	C	B				
300	2.4 to 75	C	B				
300	2.7 to 51	C	B				
300	3.0 to 75	B	C				
350	2.4 to 6.2	Std					
350	2.4 to 43	Std					
410	2.4 to 75	C	B				BZT52* BZT52*-G
500	2.4 to 43	Std					MMSZ468* MMSZ468*-G ⁽¹⁾
500	3.0 to 75	B	C				MMSZ52* MMSZ52*-G
500	2 to 39		Std			PLZ*	
500	2.4 to 75	Std					
500	1.8 to 43	Std					
500	2.4 to 75	C	B				
500	2.4 to 36						
500	2.4 to 56						
800	3.6 to 200	Std					
1000	3.3 to 100	Std					
1000	3.9 to 100	Std					
1000	100 to 200	Std					
1250	3.3 to 100	Std					
1300	2.7 to 100	C	B				
1300	3.9 to 100	Std					
1500	3.9 to 36	Std					
1500	5.6 to 43	B					
1500	100 to 200	Std					
1500	9.1 to 68	B					
1500	5.6 to 68	B					
3000	10 to 270	Std					
3000	5.6 to 68	B					
3250	6.2 to 300	C					
6000	6.8 to 270	C					
Dimensions							
				SOD-523	SOD-323	DO-219AC	SOD-123

⁽¹⁾ Specified at very low Zener current




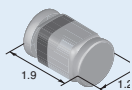
ZENER DIODES

P _{tot} (mW)	Zener Voltage Range V _Z (V)	Zener Voltage Tolerances					
		5 %	2 %	SOT-23	DO-219AB (SMF)	DO-215AA	DO-220AA (SMP)
Characteristics				Surface-Mount			
200	2.4 to 51	C					
200	2.4 to 75	C	B				
200	2.02 to 36.87						
300	2.7 to 51	C	B	AZ23* AZ23*-G			
300	2.4 to 75	C	B	BZX84* BZX84*-G			
300	2.7 to 51	C	B	DZ23* DZ23*-G			
300	3.0 to 75	B	C	MMBZ52* MMBZ52*-G			
350	2.4 to 6.2	Std		MMBZ461* MMBZ461*-G ⁽¹⁾			
350	2.4 to 43	Std		MMBZ468* MMBZ468*-G ⁽¹⁾			
410	2.4 to 75	C	B				
500	2.4 to 43	Std					
500	3.0 to 75	Std					
500	13 to 27		Std				
500	2.4 to 75	Std					
500	1.8 to 43	Std					
500	2.4 to 75	C	B				
500	2.4 to 36						
500	2.4 to 56						
800	3.6 to 200	Std			BZD27C* BZD27C*-M		
1000	3.3 to 100	Std					
1000	3.9 to 100	Std					
1000	100 to 200	Std					
1250	3.3 to 100	Std					
1300	2.7 to 100	C	B				
1300	3.9 to 100	Std					
1500	3.9 to 36	Std					PTV3.9B - 36B
1500	5.6 to 43	B					SMPZ3919B-3940B
1500	100 to 200	Std					
1500	9.1 to 68	B				SMZG3788B-3809B	
1500	5.6 to 68	B					
3000	10 to 270	Std					
3000	5.6 to 68	B					
3250	6.2 to 300	C					
6000	6.8 to 270	C					
Dimensions							
				SOT-23	DO-219AB (SMF)	DO-215AA	DO-220AA (SMP)

⁽¹⁾ Specified at very low Zener current



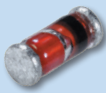

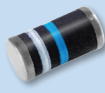

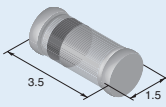
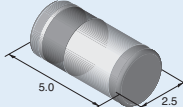
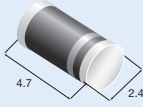
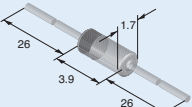
ZENER DIODES

P _{tot} (mW)	Zener Voltage Range V _Z (V)	Zener Voltage Tolerances					
		5 %	2 %	DO-214AC (SMA)	DO-214AA (SMB)	MicroMELF (Glass)	QuadroMELF SOD-80 (Glass)
Characteristics				Surface-Mount			
200	2.4 to 51	C					
200	2.4 to 75	C	B				
200	2.02 to 36.87						
300	2.7 to 51	C	B				
300	2.4 to 75	C	B				
300	2.7 to 51	C	B				
300	3.0 to 75	B	C				
350	2.4 to 6.2	Std					
350	2.4 to 43	Std					
410	2.4 to 75	C	B				
500	2.4 to 43	Std					
500	3.0 to 75	Std					
500	13 to 27		Std				
500	2.4 to 75	Std					TZQ5221B-5267B
500	1.8 to 43	Std					TZS4678-4717⁽¹⁾
500	2.4 to 75	C	B			BZM55 Series	BZT55 Series
500	2.4 to 36						
500	2.4 to 56						
800	3.6 to 200	Std					
1000	3.3 to 100	Std		SML4738A to SML4764A			
1000	3.9 to 100	Std					
1000	100 to 200	Std					
1250	3.3 to 100	Std		BZG05C Series			
1300	2.7 to 100	C	B				
1300	3.9 to 100	Std					
1500	3.9 to 36	Std					
1500	5.6 to 43	B					
1500	100 to 200	Std					
1500	9.1 to 68	B			SMZJ3788B-3809B		
1500	5.6 to 68	B		SMAZ5919B-5945B			
3000	10 to 270	Std		BZG03C Series			
3000	5.6 to 68	B			SMBZ5919B-5945B		
3250	6.2 to 300	C					
6000	6.8 to 270	C					
Dimensions							
				DO-214AC (SMA)	DO-214AA (SMB)	MicroMELF	QuadroMELF

⁽¹⁾ Specified at very low Zener current





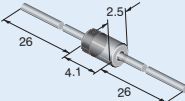
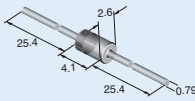
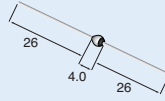
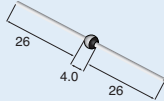


ZENER DIODES

P _{tot} (mW)	Zener Voltage Range V _Z (V)	Zener Voltage Tolerances					
		5 %	2 %	MiniMELF SOD-80 (Glass)	MELF DO-213AB (Glass)	MELF DO-213AB (Plastic)	DO-35 (Glass)
Characteristics				Surface-Mount			Leaded
200	2.4 to 51	C					
200	2.4 to 75	C	B				
200	2.02 to 36.87						
300	2.7 to 51	C	B				
300	2.4 to 75	C	B				
300	2.7 to 51	C	B				
300	3.0 to 75	B	C				
350	2.4 to 6.2	Std					
350	2.4 to 43	Std					
410	2.4 to 75	C	B				
500	2.4 to 43	Std					
500	3.0 to 75	Std					
500	13 to 27		Std				
500	2.4 to 75	Std		TZM5221B-5267B			1N5221B - 5267B
500	1.8 to 43	Std					
500	2.4 to 75	C	B	TZM* TZM*-M			BZX55 Series
500	2.4 to 36						TZX Series
500	2.4 to 56			TLZ Series			
800	3.6 to 200	Std					
1000	3.3 to 100	Std			ZM4728A-4764A		
1000	3.9 to 100	Std			ZMY Series		
1000	100 to 200	Std				ZGL41 Series	
1250	3.3 to 100	Std					
1300	2.7 to 100	C	B				
1300	3.9 to 100	Std					
1500	3.9 to 36	Std					
1500	5.6 to 43	B					
1500	100 to 200	Std					
1500	9.1 to 68	B					
1500	5.6 to 68	B					
3000	10 to 270	Std					
3000	5.6 to 68	B					
3250	6.2 to 300	C					
6000	6.8 to 270	C					
Dimensions							
				MiniMELF	MELF	DO-213AB Plastic	DO-35



ZENER DIODES

P _{tot} (mW)	Zener Voltage Range V _Z (V)	Zener Voltage Tolerances					
		5 %	2 %	DO-41 (Glass)	DO-204AL (Plastic)	SOD-57 (Sinterglass)	SOD-64 (Sinterglass)
Characteristics				Leaded			
200	2.4 to 51	C					
200	2.4 to 75	C	B				
200	2.02 to 36.87						
300	2.7 to 51	C	B				
300	2.4 to 75	C	B				
300	2.7 to 51	C	B				
300	3.0 to 75	B	C				
350	2.4 to 6.2	Std					
350	2.4 to 43	Std					
410	2.4 to 75	C	B				
500	2.4 to 43	Std					
500	3.0 to 75	Std					
500	13 to 27		Std				
500	2.4 to 75	Std					
500	1.8 to 43	Std					
500	2.4 to 75	C	B				
500	2.4 to 36						
500	2.4 to 56						
800	3.6 to 200	Std					
1000	3.3 to 100	Std		1N4728A-4764A			
1000	3.9 to 100	Std					
1000	100 to 200	Std					
1250	3.3 to 100	Std					
1300	2.7 to 100	C	B	BZX85 Series			
1300	3.9 to 100	Std		ZPY Series			
1500	3.9 to 36	Std					
1500	5.6 to 43	B					
1500	100 to 200	Std			Z4KE Series		
1500	9.1 to 68	B					
1500	5.6 to 68	B					
3000	10 to 270	Std					
3000	5.6 to 68	B					
3250	6.2 to 300	C				BZT03 Series	
6000	6.8 to 270	C					BZW03 Series
Dimensions							
				DO-41	DO-204AL Plastic	SOD-57 (Sinterglass)	SOD-64 (Sinterglass)



PRODUCT LIST

SEMICONDUCTORS

MOSFETs Segment

MOSFETs

- Low-Voltage TrenchFET® Power MOSFETs
- Medium-Voltage Power MOSFETs
- High-Voltage Planar MOSFETs
- High-Voltage Superjunction MOSFETs
- Automotive-Grade MOSFETs

ICs

- Power Management and Power Control ICs
- Smart Load Switches
- Analog Switches and Multiplexers

Diodes Segment

Rectifiers

- Schottky Rectifiers
- Ultrafast Recovery Rectifiers
- Standard and Fast Recovery Rectifiers
- High-Power Rectifiers/Diodes
- Bridge Rectifiers

Small-Signal Diodes

- Schottky and Switching Diodes
- Zener Diodes
- Tuner/Capacitance Diodes
- Bandswitching Diodes
- RF PIN Diodes

Protection Diodes

- TVS Diodes or TRANSZORB®
(unidirectional, bidirectional)
- ESD Protection Diodes (including arrays)

Thyristors/SCRs

- Phase-Control Thyristors
- Fast Thyristors

IGBTs

Power Modules

- Input Modules (diodes and thyristors)
- Output and Switching Modules (contain MOSFETs, IGBTs, and diodes)
- Custom Modules

Optoelectronic Components Segment

Infrared Emitters and Detectors

Optical Sensors

Infrared Remote Control Receivers

Optocouplers

- Phototransistor, Photodarlington
- Linear
- Phototriac
- High-Speed
- IGBT and MOSFET Driver

Solid-State Relays

LEDs and 7-Segment Displays

Infrared Data Transceiver Modules

Custom Products

PASSIVE COMPONENTS

Resistors and Inductors Segment

Film Resistors

- Metal Film Resistors
- Thin Film Resistors
- Thick Film Resistors
- Power Thick Film Resistors
- Metal Oxide Film Resistors
- Carbon Film Resistors

Wirewound Resistors

- Vitreous, Cemented, and Housed Resistors
- Braking and Neutral Grounding Resistors
- Custom Load Banks

Power Metal Strip® Resistors

Battery Management Shunts

Crowbar and Steel Blade Resistors

Thermo Fuses

Chip Fuses

Pyrotechnic Initiators/Igniters

Variable Resistors

- Cermet Variable Resistors
- Wirewound Variable Resistors
- Conductive Plastic Variable Resistors
- Contactless Potentiometers
- Hall Effect Position Sensors
- Precision Magnetic Encoders

Networks/Arrays

Non-Linear Resistors

- NTC Thermistors
- PTC Thermistors
- Varistors

Magnetics

- Inductors
- Wireless Charging Coils
- Transformers

Connectors

Capacitors Segment

Tantalum Capacitors

- Molded Chip Tantalum Capacitors
- Molded Chip Polymer Tantalum Capacitors
- Coated Chip Tantalum Capacitors
- Solid Through-Hole Tantalum Capacitors
- Wet Tantalum Capacitors

Ceramic Capacitors

- Multilayer Chip Capacitors
- Multilayer Chip RF Capacitors
- Disc Capacitors

Film Capacitors

Power Capacitors

Heavy-Current Capacitors

Aluminum Capacitors

ENYCAP™ Energy Storage Capacitors