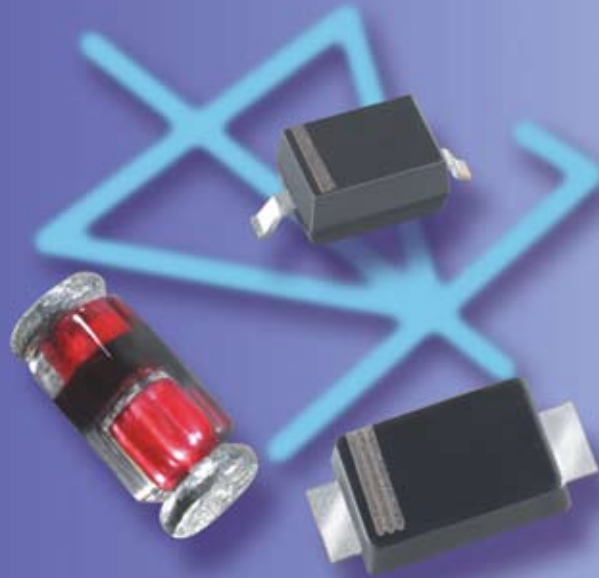




ZENER DIODES



SOD-523	QuadroMELF SOD-80 (Glass)
SOD-323	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-214 (SMA)	SOD-57 (Sinterglass)
DO-214AA	SOD-64 (Sinterglass)
MicroMELF (Glass)	

SEMICONDUCTORS

RECTIFIERS

- Schottky (single, dual)
- Standard, Fast, and Ultra-Fast Recovery (single, dual)
- Bridge
- Superectifier®
- Sinterglass Avalanche Diodes

HIGH-POWER DIODES AND THYRISTORS

- High-Power Fast-Recovery Diodes
- Phase-Control Thyristors
- Fast Thyristors

SMALL-SIGNAL DIODES

- Schottky and Switching (single, dual)
- Tuner/Capacitance (single, dual)
- Bandswitching
- PIN

ZENER AND SUPPRESSOR DIODES

- Zener (single, dual)
- TVS (TRANSZORB®, Automotive, ESD, Arrays)

FETs

- Low-Voltage TrenchFET® Power MOSFETs
- High-Voltage TrenchFET® Power MOSFETs
- High-Voltage Planar MOSFETs
- JFETs

OPTOELECTRONICS

- IR Emitters and Detectors, and IR Receiver Modules
- Optocouplers and Solid-State Relays
- Optical Sensors
- LEDs and 7-Segment Displays
- Infrared Data Transceiver Modules
- Custom Products

ICs

- Power ICs
- Analog Switches

MODULES

- Power Modules (contain power diodes, thyristors, MOSFETs, IGBTs)

PASSIVE COMPONENTS

RESISTIVE PRODUCTS

- Film Resistors
 - Metal Film Resistors
 - Thin Film Resistors
 - Thick Film Resistors
 - Metal Oxide Film Resistors
 - Carbon Film Resistors
- Wirewound Resistors
- Power Metal Strip® Resistors
- Chip Fuses
- Variable Resistors
 - Cermet Variable Resistors
 - Wirewound Variable Resistors
 - Conductive Plastic Variable Resistors
- Networks/Arrays
- Non-Linear Resistors
 - NTC Thermistors
 - PTC Thermistors
 - Varistors

MAGNETICS

- Inductors
- Transformers

CAPACITORS

- Tantalum Capacitors
 - Molded Chip Tantalum Capacitors
 - Coated Chip Tantalum Capacitors
 - Solid Through-Hole Tantalum Capacitors
 - Wet Tantalum Capacitors
- Ceramic Capacitors
 - Multilayer Chip Capacitors
 - Disc Capacitors
- Film Capacitors
- Power Capacitors
- Heavy-Current Capacitors
- Aluminum Capacitors

Zener Diodes

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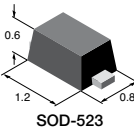
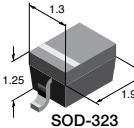
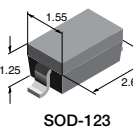
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QuadroMELF SOD-80 (Glass)	5
MiniMELF SOD-80 (Glass)	6
MELF DO-213AB (Glass)	6
MELF DO-213AB (Plastic)	6
DO-35 (Glass)	6
DO-41 (Glass)	7
DO-204AL (Plastic)	7
SOD-57 (Sinterglass)	7
SOD-64 (Sinterglass)	7




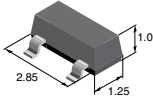
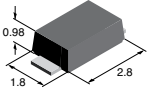
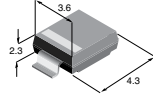
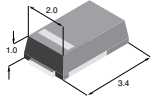
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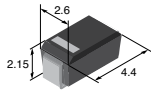
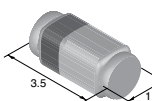
P _{tot} (mW)	Zener Voltage Range V _Z (V)	Zener Voltage Tolerances				
		5 %	2 %	SOD-523	SOD-323	SOD-123
				Green version available		Green version available
200	2.4 to 51	C		BZX584C Series		
200	2.4 to 75	C	B		BZX384-V Series	
200	2.02 to 36.87				GDZ-V Series	
300	2.7 to 51	C	B			
300	2.4 to 75	C	B			
300	2.7 to 51	C	B			
300	3.0 to 51	B	C			
350	2.4 to 6.2	Std				
360	2.4 to 43	Std				
410	2.4 to 75	C	B			BZT52-V Series
500	2.4 to 43	Std				MMSZ46-V Series
500	3.0 to 75	Std				MMSZ52-V Series
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						

Zener Diodes

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P _{tot} (mW)	Zener Voltage Range V _Z (V)	Zener Voltage Tolerances					
		5 %	2 %	SOT-23	DO-219AB (SMF)	DO-215AA	DO-220AA (SMP)
		Green version available		Halogen-free version available		Halogen-free version available	
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-V Series			
300	2.4 to 75	C	B	BZX84-V Series			
300	2.7 to 51	C	B	DZ23-V Series			
300	3.0 to 51	B	C	MMBZ5225 - 5267-V Series			
350	2.4 to 6.2	Std		MMBZ4617 - 4627- V Series			
360	2.4 to 43	Std		MMBZ4681 - 4717- V Series			
410	2.4 to 75	C	B				
500	2.4 to 43	Std					
500	3.0 to 75	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 Series		
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					SMPZ3919-3940B Series
1500	100 to 200	Std					
1500	9.1 to 68	B				SMZG3788-3809 Series	
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)





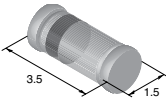
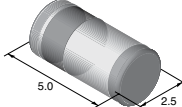
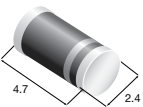
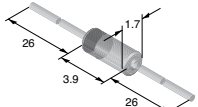
P _{tot} (mW)	Zener Voltage Range V _Z (V)	Zener Voltage Tolerances					
		5 %	2 %	DO-214AC (SMA)	DO-214AA (SMB)	MicroMELF (Glass)	QuadroMELF SOD-80 (Glass)
				Halogen-free version available		Halogen-free version available	Halogen-free version available
200	2.4 to 51	C					
200	2.4 to 75	C	B				
200	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 51	B	C				
350	2.4 to 6.2	Std					
360	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	2.4 to 75	Std					TZQ5221B-5267B
500	1.8 to 43	Std					TZS4678-4717
500	2.4 to 75	C	B			BZM55 Series	BZT55 Series
500	2.4 to 36						
500	2.4 to 56						VLZ Series
800	3.6 to 200	Std					
1000	3.3 to 100	Std		*SML4728A-4764A			
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			SMZJ3788-3809B Series		
1500	5.6 to 68	B		*SMAZ5919B-5945B Series			
3000	10 to 270	Std		BZG03C Series			
3000	5.6 to 68	B			SMBZ5919-5945B Series		
3250	6.2 to 300	C					
6000	6.8 to 270	C					
Dimensions							
				DO-214AC (SMA)	DO-214AA (SMB)	MicroMELF	QuadroMELF





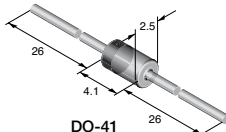
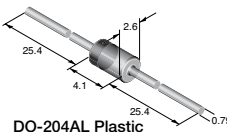
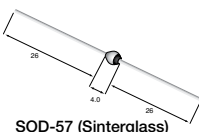
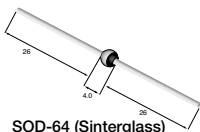
* Availability by Q3 2010.

Zener Diodes

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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)
				Halogen-free version available	Halogen-free version available		Halogen-free version available
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 51	B	C				
350	2.4 to 6.2	Std					
360	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	2.4 to 75	Std		TZM5221B-5267B			1N5221B - 5267B
500	1.8 to 43	Std					
500	2.4 to 75	C	B	TZM Series			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

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)
				Halogen-free version available		Halogen-free version available	Halogen-free version available
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 51	B	C				
350	2.4 to 6.2	Std					
360	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	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							



Notes

SEMICONDUCTORS:

Rectifiers • High-Power Diodes and Thyristors • Small-Signal Diodes • Zener and Suppressor Diodes
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