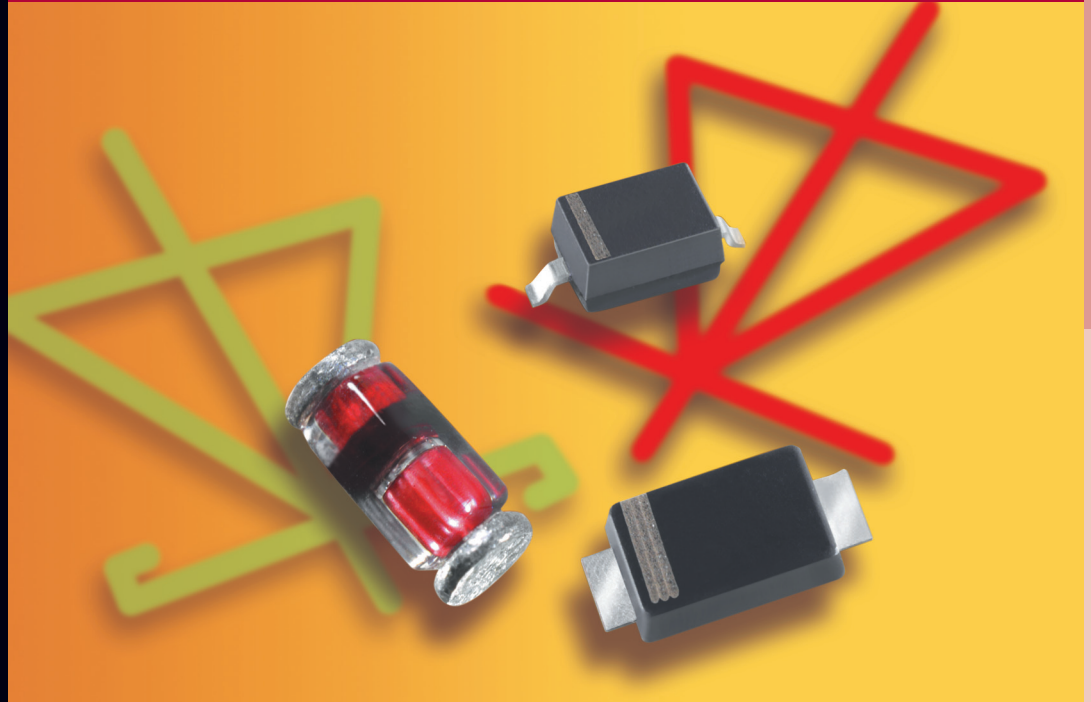




SMALL-SIGNAL SCHOTTKY AND SWITCHING DIODES



- SOD-523
- SOD-323
- SOD-123
- SOT-23
- DO-219AB (SMF)
- MicroMELF
- QuadroMELF SOD-80
- MiniMELF SOD-80
- DO-35



SMALL-SIGNAL SCHOTTKY DIODES

Schottky Diodes				Surface-Mount				
V_R max	I_F max	V_F max @ I_F						
				SOD-523 (GREEN version available)	SOD-323 (GREEN version available)	SOD-123 (GREEN version available)	DO-219AB (SMF) (Halogen-free version available)	SOT-23 (GREEN version available)
20 V	200 mA	0.37 V @ 20 mA	0.6 V @ 200 mA		SD103CWS-V	SD103CW-V	SL02	
20 V	1.1 A	0.385 V @ 500 mA						
30 V	200 mA	0.32 V @ 1.0 mA	0.4 V @ 10 mA					
30 V	200 mA	0.33 V @ 2 mA	0.45 V @ 15 mA		BAT43WS-V	BAT43W-V		
30 V	200 mA	0.4 V @ 10 mA	0.5 V @ 30 mA	BAT54-02V	BAT54WS-V	BAT54W-V		BAT54-V
30 V	200 mA	0.4 V @ 10 mA	0.65 V @ 50 mA		BAT42WS-V	BAT42W-V		
30 V	200 mA	0.37 V @ 20 mA	0.6 V @ 200 mA		SD103BWS-V	SD103BW-V		
30 V	200 mA	0.32 V @ 1.0 mA	0.6 V @ 200 mA	BAS520-02V			SL03	
30 V	1.1 A	0.43 V @ 500 mA						
40 V	30 mA	0.33 V @ 0.1 mA	0.41 V @ 1.0 mA					
40 V	30 mA	0.37 V @ 1.0 mA		BAS581-02V				
40 V	30 mA	0.39 V @ 1.0 mA	0.9 V @ 15 mA		SD101CWS-V	SD101CW-V		
40 V	200 mA	0.38 V @ 1.0 mA	1.0 V @ 40 mA	BAS40-02V				BAS40-V
40 V	200 mA	0.37 V @ 20 mA	0.6 V @ 200 mA		SD103AWS-V	SD103AW-V	SL04	
40 V	1.1 A	0.51 V @ 500 mA						
50 V	30 mA	0.33 V @ 0.1 mA	0.41 V @ 1.0 mA					
50 V	30 mA	0.4 V @ 1.0 mA	0.95 V @ 15 mA		SD101BWS-V	SD101BW-V		
50 V	200 mA	0.38 V @ 1.0 mA	0.45 V @ 10 mA					
60 V	30 mA	0.33 V @ 0.1 mA	0.41 V @ 1.0 mA					
60 V	30 mA	0.41 V @ 1.0 mA	1.0 V @ 15 mA		SD101AWS-V	SD101AW-V		
70 V	200 mA	0.41 V @ 1.0 mA	1.0 V @ 15 mA	BAS70-02V				BAS70-V
100 V	100 mA	0.45 V @ 1.0 mA	1.0 V @ 200 mA					
100 V	150 mA	0.25 V @ 0.1 mA	0.45 V @ 10 mA			BAT46W-V		
<p>For further information, visit http://www.vishay.com/diodes/switching/</p> <p>For technical questions, contact Diodes-Europe@vishay.com, Diodes-Americas@vishay.com, Diodes-Asia@vishay.com</p>				<p>SOD-523</p>	<p>SOD-323</p>	<p>SOD-123</p>	<p>DO-219AB SMF</p>	<p>SOT-23</p>

SMALL-SIGNAL SCHOTTKY DIODES



Schottky Diodes				Surface-Mount			Leaded
V_R max	I_F max	V_F max @ I_F		MicroMELF (Glass) (Standard is halogen-free)	QuadroMELF SOD-80 (Glass) (Halogen-free version available)	MiniMELF SOD-80 (Glass) (Halogen-free version available)	DO-35 (Glass) (Standard is halogen-free)
20 V	200 mA	0.37 V @ 20 mA	0.6 V @ 200 mA	MCL103C	LS103C	LL103C	SD103C
20 V	1.1 A	0.385 V @ 500 mA					
30 V	200 mA	0.32 V @ 1.0 mA	0.4 V @ 10 mA	BAS385	BAS285	BAS85	BAT85S
30 V	200 mA	0.33 V @ 2 mA	0.45 V @ 15 mA			LL43	BAT43
30 V	200 mA	0.4 V @ 10 mA	0.5 V @ 30 mA				
30 V	200 mA	0.4 V @ 10 mA	0.65 V @ 50 mA			LL42	BAT42
30 V	200 mA	0.37 V @ 20 mA	0.6 V @ 200 mA	MCL103B	LS103B	LL103B	SD103B
30 V	200 mA	0.32 V @ 1.0 mA	0.6 V @ 200 mA				
30 V	1.1 A	0.43 V @ 500 mA					
40 V	30 mA	0.33 V @ 0.1 mA	0.41 V @ 1.0 mA	BAS381	BAS281	BAS81	BAT81S
40 V	30 mA	0.37 V @ 1.0 mA					
40 V	30 mA	0.39 V @ 1.0 mA	0.9 V @ 15 mA	MCL101C	LS101C	LL101C	SD101C
40 V	200 mA	0.38 V @ 1.0 mA	1.0 V @ 40 mA				
40 V	200 mA	0.37 V @ 20 mA	0.6 V @ 200 mA	MCL103A	LS103A	LL103A	SD103A
40 V	1.1 A	0.51 V @ 500 mA					
50 V	30 mA	0.33 V @ 0.1 mA	0.41 V @ 1.0 mA	BAS382	BAS282	BAS82	BAT82S
50 V	30 mA	0.4 V @ 1.0 mA	0.95 V @ 15 mA	MCL101B	LS101B	LL101B	SD101B
50 V	200 mA	0.38 V @ 1.0 mA	0.45 V @ 10 mA	BAS386	BAS286	BAS86	BAT86S
60 V	30 mA	0.33 V @ 0.1 mA	0.41 V @ 1.0 mA	BAS383	BAS283	BAS83	BAT83S
60 V	30 mA	0.41 V @ 1.0 mA	1.0 V @ 15 mA	MCL101A	LS101A	LL101A	SD101A
70 V	200 mA	0.41 V @ 1.0 mA	1.0 V @ 15 mA				
100 V	100 mA	0.45 V @ 1.0 mA	1.0 V @ 200 mA			LL41	BAT41
100 V	150 mA	0.25 V @ 0.1 mA	0.45 V @ 10 mA			LL46	BAT46
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				MicroMELF	SOD-80 QuadroMELF	SOD-80 MiniMELF	DO-35

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SMALL-SIGNAL SWITCHING DIODES

Switching Diodes					Surface-Mount			
V_{RRM} "V"	I_F "mA"	V_F max @ I_F		t_{rr} max "ns"				
		"V"	"mA"		SOD-323 (GREEN version available)	SOD-123 (GREEN version available)	SOT-23 (GREEN version available)	DO-219AB (SMF) (Halogen-free version available)
35	300	1	50	4				
40	200	1	100					
50	300	1	200	4		<u>1N4150W-V</u>		
60	250	1	100	50				
70	200	1	100					
70	250	1	50	6			<u>BAL99-V</u>	
70	250	1	50	6			<u>BAW56-V</u> (Com. An.) <u>BAV70-V</u> (Com. Cath.) <u>BAV99-V</u> (Dual Series)	
75	300	1	30	4				
75	300	1	50	4	<u>1N4151WS-V</u>	<u>1N4151W-V</u>		
70	200	1.1	100	4			<u>MMBD6050-V</u>	
75	600	1	200	6				
100	300	1	10	4	<u>1N4148WS-V</u>	<u>1N4148W-V</u>	<u>IMBD4148-V</u>	
100	300	1	100	4	<u>1N4448WS-V</u>	<u>1N4448W-V</u>	<u>IMBD4448-V</u>	
100	200	1.1	100	4			<u>MMBD7000-V</u>	
100	300	1	10	4			<u>MMBD914-V</u>	
100	250	1	50	6	<u>BAS16WS-V</u>	<u>BAS16D-V</u>	<u>BAS16-V</u>	
100	500	0.98	1000	25				<u>ES07B</u>
100	500	1.15	700	150				<u>RS07B</u>
100	700	1.1	1000	1800				<u>S07B</u>
120	250	1	100	50	<u>BAV19WS-V</u>	<u>BAV19W-V</u>	<u>BAS19-V</u>	
140	200	1	100					
200	250	1	100	50	<u>BAV20WS-V</u>	<u>BAV20W-V</u>	<u>BAS20-V</u>	
200	500	0.98	1000	25				<u>ES07D</u>
200	500	1.15	700	150				<u>RS07D</u>
200	700	1.1	1000	1800				<u>S07D</u>
250	250	1	100	50	<u>BAV21WS-V</u>	<u>BAV21W-V</u>	<u>BAS21-V</u>	
300	225	1	100	50	<u>GSD2004WS-V</u>	<u>GSD2004W-V</u>	<u>GSD2004A/-S/-V</u>	
400	500	1.15	700	150				<u>RS07G</u>
400	700	1.1	1000	1800				<u>S07G</u>
600	500	1.15	700	250				<u>RS07J</u>
600	700	1.1	1000	1800				<u>S07J</u>
1000	700	1.1	1000	1800				<u>S07M</u>
<p>For further information, visit http://www.vishay.com/diodes/switching/</p> <p>For technical questions, contact Diodes-Europe@vishay.com, Diodes-Americas@vishay.com, Diodes-Asia@vishay.com</p>					 <p>SOD-323</p>	 <p>SOD-123</p>	 <p>SOT-23</p>	 <p>DO-219AB (SMF)</p>

SMALL-SIGNAL SWITCHING DIODES



Switching Diodes					Surface-Mount			Leaded
V _{RRM} "V"	I _F "mA"	V _F max @ I _F		t _{rr} max "ns"	MicroMELF (Glass) (Halogen-free version available)	QuadroMELF SOD-80 (Glass) (Halogen-free version available)	MiniMELF SOD-80 (Glass) (Halogen-free version available)	DO-35 (Glass) (Halogen-free version available)
		"V"	"mA"					
35	300	1	50	4	MCL4154	LS4154	LL4154	1N4154
40	200	1	100		BAQ333	BAQ133	BAQ33	BAS33
50	300	1	200	4		LS4150	LL4150	1N4150
60	250	1	100	50	BAV300	BAV200	BAV100	
70	200	1	100		BAQ334	BAQ134	BAQ34	BAS34
70	250	1	50	6				
70	250	1	50	6				
75	300	1	30	4				BAW76
75	300	1	50	4	MCL4151	LS4151	LL4151	1N4151
70	200	1.1	100	4				
75	600	1	200	6				BAW27
100	300	1	10	4	MCL4148	LS4148	LL4148	1N4148
100	300	1	100	4	MCL4448	LS4448	LL4448	1N4448
100	200	1.1	100	4				
100	300	1	10	4				1N914
100	250	1	50	6				
100	500	0.98	1000	25				
100	500	1.15	700	150				
100	700	1.1	1000	1800				
120	250	1	100	50	BAV301	BAV201	BAV101	BAV19
140	200	1	100		BAQ335	BAQ135	BAQ35	
200	250	1	100	50	BAV302	BAV202	BAV102	BAV20
200	500	0.98	1000	25				
200	500	1.15	700	150				
200	700	1.1	1000	1800				
250	250	1	100	50	BAV303	BAV203	BAV103	BAV21
300	225	1	100	50				
400	500	1.15	700	150				
400	700	1.1	1000	1800				
600	500	1.15	700	250				
600	700	1.1	1000	1800				
1000	700	1.1	1000	1800				
<p>For further information, visit http://www.vishay.com/diodes/switching/</p> <p>For technical questions, contact Diodes-Europe@vishay.com, Diodes-Americas@vishay.com, Diodes-Asia@vishay.com</p>					 <p>MicroMELF</p>	 <p>SOD-80 QuadroMELF</p>	 <p>SOD-80 MiniMELF</p>	 <p>DO-35</p>



Notes



Notes

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