



DIODES

Small-Signal Schottky and Switching Diodes

Available in Surface-Mount and Leaded Packages



FEATURED PACKAGES

DO-35

MicroMELF

MiniMELF SOD-80

QuadroMELF SOD-80

SOD-123

SOD-323

SOD-523

SOT-23

RESOURCES

- For further information on Small-Signal Schottky Diodes visit: <http://www.vishay.com/diodes/ss-schottky>
- For further information on Small-Signal Switching Diodes visit: <http://www.vishay.com/diodes/switching>
- For technical questions, contact DiodesEurope@vishay.com, DiodesAmericas@vishay.com, DiodesAsia@vishay.com

One of the World's Largest Manufacturers of
Discrete Semiconductors and Passive Components

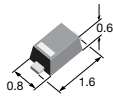
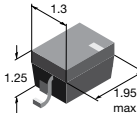
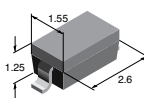
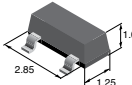




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Small-Signal Schottky and Switching Diodes

Diodes - Focus Products for Multi-Market Applications

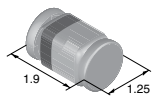
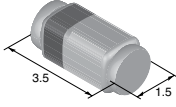
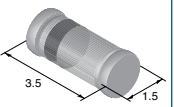
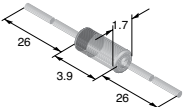
Schottky Diodes						Surface-Mount			
V_{RRM} (V)	I_F (mA)	V_F max @ I_F		V_F max @ I_F		 SOD-523	 SOD-323	 SOD-123	 SOT-23 Series
		(V)	(mA)	(V)	(mA)				
20	200	0.37	20	0.6	200		SD103CWS SD103CWS-G	SD103CW SD103CW-G	
30	200	0.32	1.0	0.4	10				
30	200	0.33	2	0.45	15		BAT43WS BAT43WS-G	BAT43W BAT43W-G	
30	200	0.4	10	0.5	30	BAT54-02V-V-G	BAT54WS BAT54WS-G	BAT54W BAT54W-G	BAT54 BAT54-G
30	200	0.4	10	0.65	50		BAT42WS BAT42WS-G	BAT42W BAT42W-G	
30	200	0.37	20	0.6	200		SD103BWS SD103BWS-G	SD103BW SD103BW-G	
30	200	0.32	1.0	0.6	200				
40	30	0.33	0.1	0.41	1.0				
40	30	0.37	1.0	0.37	1.0	BAS581-02V-V-G			
40	30	0.39	1.0	0.9	15		SD101CWS SD101CWS-G	SD101CW SD101CW-G	
40	200	0.38	1.0	1.0	40	BAS40-02V-V-G			BAS40 BAS40-G
40	200	0.37	20	0.6	200		SD103AWS SD103AWS-G	SD103AW SD103AW-G	
50	30	0.33	0.1	0.41	1.0				
50	30	0.4	1.0	0.95	15		SD101BWS SD101BWS-G	SD101BW SD101BW-G	
50	200	0.38	1.0	0.45	10				
60	30	0.33	0.1	0.41	1.0				
60	30	0.41	1.0	1.0	15		SD101AWS SD101AWS-G	SD101AW SD101AW-G	
70	200	0.41	1.0	1.0	15	BAS70-02V-V-G	BAS170WS BAS170WS-G		BAS70 BAS70-G
100	100	0.45	1.0	1.0	200				
100	150	0.25	0.1	0.45	10			BAT46W BAT46W-G	
For further information, visit http://www.vishay.com/diodes/ss-schottky/ For technical questions, contact DiodesEurope@vishay.com , DiodesAmericas@vishay.com , DiodesAsia@vishay.com						 SOD-523	 SOD-323	 SOD-123	 SOT-23



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Diodes - Focus Products for Multi-Market Applications

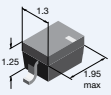
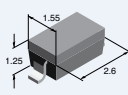
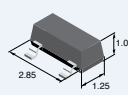
Schottky Diodes						Surface-Mount		Leaded	
V_{RRM} (V)	I_F (mA)	V_F max @ I_F		V_F max @ I_F		 MicroMELF (Glass) (Standard is halogen-free)	 QuadroMELF SOD-80 (Glass) (Halogen-free version available)	 MiniMELF SOD-80 (Glass) (Halogen-free version available)	 DO-35 (Glass) (Standard is halogen-free)
		(V)	(mA)	(V)	(mA)				
20	200	0.37	20	0.6	200	MCL103C	LS103C	LL103C	SD103C
30	200	0.32	1.0	0.4	10	BAS385	BAS285	BAS85 BAS85-M	BAT85S
30	200	0.33	2	0.45	15			LL43	BAT43
30	200	0.4	10	0.5	30				
30	200	0.4	10	0.65	50			LL42	BAT42
30	200	0.37	20	0.6	200	MCL103B	LS103B	LL103B	SD103B
40	30	0.33	0.1	0.41	1.0	BAS381	BAS281	BAS81	BAT81S
40	30	0.37	1.0	0.37	1.0				
40	30	0.39	1.0	0.9	15	MCL101C	LS101C	LL101C	SD101C
40	200	0.38	1.0	1.0	40				
40	200	0.37	20	0.6	200	MCL103A	LS103A	LL103A	SD103A
50	30	0.33	0.1	0.41	1.0	BAS382	BAS282	BAS82	BAT82S
50	30	0.4	1.0	0.95	15	MCL101B	LS101B	LL101B	SD101B
50	200	0.38	1.0	0.45	10	BAS386	BAS286	BAS86 BAS86-M	BAT86S
60	30	0.33	0.1	0.41	1.0	BAS383	BAS283	BAS83	BAT83S
60	30	0.41	1.0	1.0	15	MCL101A	LS101A	LL101A	SD101A
70	200	0.41	1.0	1.0	15				
100	100	0.45	1.0	1.0	200			LL41	BAT41
100	150	0.25	0.1	0.45	10			LL46	BAT46
For further information, visit http://www.vishay.com/diodes/ss-schottky/ For technical questions, contact DiodesEurope@vishay.com , DiodesAmericas@vishay.com , DiodesAsia@vishay.com						 MicroMELF	 SOD-80 QuadroMELF	 SOD-80 MiniMELF	 DO-35



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Diodes - Focus Products for Multi-Market Applications

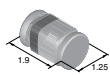
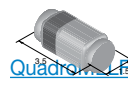
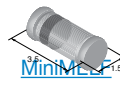
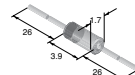
Switching Diodes					Surface-Mount		
V_{RRM} (V)	$I_F / I_{F(AV)}$	$V_F \text{ max @ } I_F$		$t_{rr} \text{ max}$ (ns)	 SOD-323	 SOD-123	 SOT-23
		(V)	(mA)				
50	300	1	200	4		1N4150W 1N4150-G	
70	250	1	50	6			BAL99 BAL99-G
70	250	1	50	6			BAW56 (Common A) BAW56-G (Com. An.) BAV70 (Com. Cath.) BAV70-G (Com. Cath.) BAV99 (Dual Series) BAV99-G (Dual Series)
75	300	1	50	4	1N4151WS 1N4151WS-G	1N4151W 1N4151W-G	
70	200	1.1	100	4			MMBD6050 MMBD6050-G
100	150	1	10	4	1N4148WS 1N4148WS-G	1N4148W 1N4148W-G	IMBD4148 IMBD4148-G
100	150	1	100	4	1N4448WS 1N4448WS-G	1N4448W 1N4448-G	IMBD4448 IMBD4448-G
100	200	1.1	100	4			MMBD7000 MMBD7000-G
100	200	1	10	4			MMBD914 MMBD914-G
100	250	1	50	6	BAS16WS BAS16WS-G	BAS16D BAS16D-G	BAS16 BAS16-G
120	250	1	100	50	BAV19WS BAV19WS-G	BAV19W BAV19W-G	BAS19 BAS19-G
200	250	1	100	50	BAV20WS BAV20WS-G	BAV20W BAV20W-G	BAS20 BAS20-G
250	400	1	100	50			BAV23C BAV23C-G
250	250	1	100	50	BAV21WS BAV21WS-G	BAV21W BAV21W-G	BAS21 BAS21-G
300	225	1	100	50	GSD2004WS GSD2004WS-G	GSD2004W GSD2004W-G	GSD2004A GSD2004S GSD2004C GSD2004A-G GSD2004S-G GSD2004C-G
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Diodes - Focus Products for Multi-Market Applications

Switching Diodes					Surface-Mount			Leaded
								
V _{RRM} (V)	I _F / I _{F(AV)}	V _F max @ I _F		t _{rr} max (ns)	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)
		(V)	(mA)					
25	250	1	100	50				BAV17
35	300	1	30	4				BAW75
35	300	1	50	4		LS4154	LL4154	1N4154
40	200	1	100		BAQ333	BAQ133	BAQ33	BAS33
50	300	1	200	4		LS4150	LL4150	1N4150
60	250	1	100	50				BAV18
60	250	1	100	50	BAV300	BAV200	BAV100	
70	200	1	100		BAQ334	BAQ134	BAQ34	BAS34
75	300	1	30	4				BAW76
75	300	1	50	4	MCL4151	LS4151	LL4151	1N4151
75	600	1	200	6				BAW27
80	200	1.1	50	20			BA604	
100	300	1	50	8			LL4148, LL4148-M	
100	300	1	10	4	MCL4148	LS4148		1N4148
100	300	1	100	4	MCL4448	LS4448	LL4448	1N4448
100	300	1	10	4				1N914
120	250	1	100	50	BAV301	BAV201	BAV101	BAV19
140	200	1	100		BAQ335	BAQ135	BAQ35	BAY135
150	250	1	100	50				BAY80
200	250	1	100	50	BAV302	BAV202	BAV102	BAV20
250	250	1	100	50	BAV303	BAV203	BAV103	BAV21
For further information, visit http://www.vishay.com/diodes/switching/ For technical questions, contact DiodesEurope@vishay.com , DiodesAmericas@vishay.com , DiodesAsia@vishay.com					 MicroMELF	 QuadroMELF SOD-80	 MiniMELF SOD-80	 DO-35

**DIODES****Small-Signal Schottky and Switching Diodes****WORLDWIDE SALES CONTACTS****THE AMERICAS****UNITED STATES**

VISHAY AMERICAS
ONE GREENWICH PLACE
SHELTON, CT 06484
UNITED STATES
PH: +1-402-563-6866
FAX: +1-402-563-6296

ASIA**SINGAPORE**

VISHAY INTERTECHNOLOGY ASIA PTE LTD.
37A TAMPINES STREET 92 #07-00
SINGAPORE 528886
PH: +65-6788-6668
FAX: +65-6788-0988

P.R. CHINA

VISHAY CHINA CO., LTD.
15D, SUN TONG INFOPORT PLAZA
55 HUAI HAI WEST ROAD
SHANGHAI 200030
P.R. CHINA
PH: +86-21-5258 5000
FAX: +86-21-5258 7979

JAPAN

VISHAY JAPAN CO., LTD.
SHIBUYA PRESTIGE BLDG. 4F
3-12-22, SHIBUYA
SHIBUYA-KU
TOKYO 150-0002
JAPAN
PH: +81-3-5466-7150
FAX: +81-3-5466-7160

EUROPE**GERMANY**

VISHAY ELECTRONIC GMBH
DR.-FELIX-ZANDMAN-PLATZ 1
95100 SELB
GERMANY
PH: +49-9287-71-0
FAX: +49-9287-70435

FRANCE

VISHAY S.A.
199, BD DE LA MADELEINE
06003 NICE, CEDEX 1
FRANCE
PH: +33-4-9337-2727
FAX: +33-4-9337-2726

UNITED KINGDOM

VISHAY LTD.
SUITE 6C, TOWER HOUSE
ST. CATHERINE'S COURT
SUNDERLAND ENTERPRISE PARK
SUNDERLAND SR5 3XJ
UNITED KINGDOM
PH: +44-191-516-8584
FAX: +44-191-549-9556