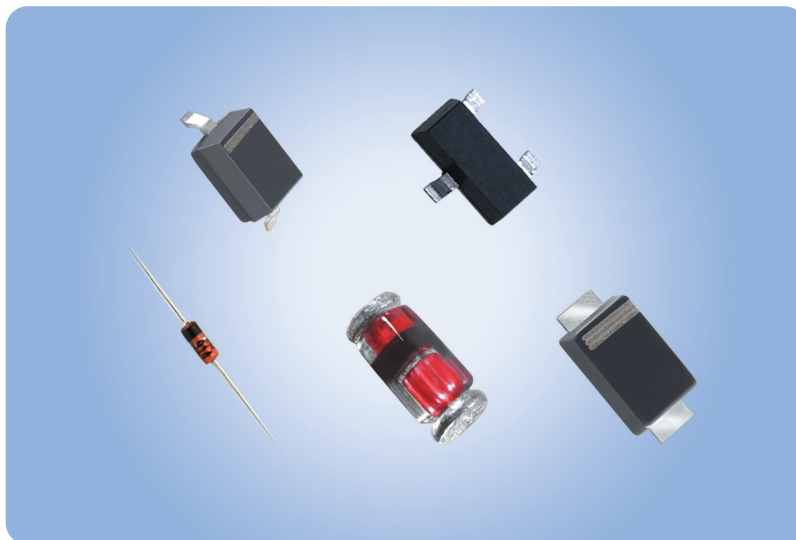




# DIODES

## Small Signal Schottky and Switching Diodes

### Available in Surface-Mount and Leaded Packages



#### LEADED PACKAGES

- DO-35

#### SURFACE-MOUNT PACKAGES

- MicroMELF
- MiniMELF
- QuadroMELF
- SOD-123
- SOD-323
- SOD-523
- SOT-23

#### RESOURCES

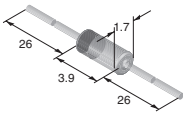
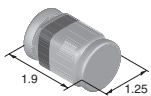
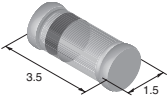
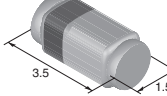
- For more information on Small Signal Schottky diodes visit: [www.vishay.com/diodes/ss-schottky](http://www.vishay.com/diodes/ss-schottky)
- For more information on Small Signal Switching diodes visit: [www.vishay.com/diodes/switching](http://www.vishay.com/diodes/switching)
- For technical questions, contact [DiodesEurope@vishay.com](mailto:DiodesEurope@vishay.com), [DiodesAmericas@vishay.com](mailto:DiodesAmericas@vishay.com), [DiodesAsia@vishay.com](mailto:DiodesAsia@vishay.com)





# DIODES

## Small Signal Schottky and Switching Diodes

Schottky Diodes						Leaded	Surface-Mount			
$V_{RRM}$ (V)	$I_F$ (mA)	$V_F$ Max. at $I_F$		$V_F$ Max. at $I_F$		DO-35 <sup>(1)</sup> (Glass)	MicroMELF <sup>(1)</sup> (Glass)	MiniMELF SOD-80 <sup>(2)</sup> (Glass)	QuadroMELF SOD-80 <sup>(2)</sup> (Glass)	
		(V)	(mA)	(V)	(mA)					
20	350	0.37	20	0.6	200	<a href="#">SD103C</a>	<a href="#">MCL103C</a>	<a href="#">LL103C</a>	<a href="#">LS103C</a>	
30	200	0.32	1	0.4	10	<a href="#">BAT85S</a>	<a href="#">BAS385</a>	<a href="#">BAS85</a> <a href="#">BAS85-M</a>	<a href="#">BAS285</a>	
30	200	0.33	2	0.45	15	<a href="#">BAT43</a>	-	<a href="#">LL43</a>	-	
30	200	0.4	10	0.65	50	<a href="#">BAT42</a>	-	<a href="#">LL42</a>	-	
30	350	0.37	20	0.6	200	<a href="#">SD103B</a>	<a href="#">MCL103B</a>	<a href="#">LL103B</a>	<a href="#">LS103B</a>	
40	30	0.33	0.1	0.41	1.0	<a href="#">BAT81S</a>	<a href="#">BAS381</a>	<a href="#">BAS81</a>	<a href="#">BAS281</a>	
40	30	0.39	1.0	0.9	15	<a href="#">SD101C</a>	<a href="#">MCL101C</a>	<a href="#">LL101C</a>	<a href="#">LS101C</a>	
40	200	0.37	20	0.6	200	<a href="#">SD103A</a>	<a href="#">MCL103A</a>	<a href="#">LL103A</a>	<a href="#">LS103A</a>	
50	30	0.33	0.1	0.41	1.0	<a href="#">BAT82S</a>	<a href="#">BAS382</a>	<a href="#">BAS82</a>	<a href="#">BAS282</a>	
50	30	0.4	1.0	0.95	15	<a href="#">SD101B</a>	<a href="#">MCL101B</a>	<a href="#">LL101B</a>	<a href="#">LS101B</a>	
50	200	0.38	1.0	0.45	10	<a href="#">BAT86S</a>	<a href="#">BAS386</a>	<a href="#">BAS86</a> <a href="#">BAS86-M</a>	<a href="#">BAS286</a>	
60	30	0.33	0.1	0.41	1.0	<a href="#">BAT83S</a>	<a href="#">BAS383</a>	<a href="#">BAS83</a>	<a href="#">BAS283</a>	
60	30	0.41	1.0	1.0	15	<a href="#">SD101A</a>	<a href="#">MCL101A</a>	<a href="#">LL101A</a>	<a href="#">LS101A</a>	
100	100	0.45	1.0	1.0	200	<a href="#">BAT41</a>	-	<a href="#">LL41</a>	-	
100	150	0.25	0.1	0.45	10	<a href="#">BAT46</a>	-	<a href="#">LL46</a>	-	
<p>For more information, visit <a href="http://www.vishay.com/diodes/ss-schottky/">www.vishay.com/diodes/ss-schottky/</a></p> <p>For technical questions, contact <a href="mailto:DiodesEurope@vishay.com">DiodesEurope@vishay.com</a>, <a href="mailto:DiodesAmericas@vishay.com">DiodesAmericas@vishay.com</a>, <a href="mailto:DiodesAsia@vishay.com">DiodesAsia@vishay.com</a></p>						 <p><a href="#">DO-35</a></p>	 <p><a href="#">MicroMELF</a></p>	 <p><a href="#">MiniMELF SOD-80</a></p>	 <p><a href="#">QuadroMELF SOD-80</a></p>	

### Notes

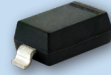
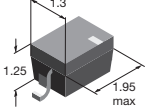
<sup>(1)</sup> Standard is halogen-free

<sup>(2)</sup> Halogen-free versions available



# DIODES



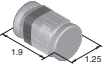
## Small Signal Schottky and Switching Diodes

Schottky Diodes						Surface-Mount			
$V_{RRM}$ (V)	$I_F$ (mA)	$V_F$ Max. at $I_F$		$V_F$ Max. at $I_F$					
		(V)	(mA)	(V)	(mA)	SOD-123	SOD-323	SOD-523	SOT-23
20	350	0.37	20	0.6	200	<a href="#">SD103CW</a> <a href="#">SD103CW-G</a>	<a href="#">SD103CWS</a> <a href="#">SD103CWS-G</a>	-	-
30	200	0.33	2	0.45	15	<a href="#">BAT43W</a> <a href="#">BAT43W-G</a>	<a href="#">BAT43WS</a> <a href="#">BAT43WS-G</a>	-	-
30	200	0.4	10	0.5	30	<a href="#">BAT54W</a> <a href="#">BAT54W-G</a>	<a href="#">BAT54WS</a> <a href="#">BAT54WS-G</a>	-	<a href="#">BAT54</a> <a href="#">BAT54-G</a>
30	300	0.4	10	0.5	30	-	-	<a href="#">BAT54-02V-V-G</a>	-
30	200	0.4	10	0.65	50	<a href="#">BAT42W</a> <a href="#">BAT42W-G</a>	<a href="#">BAT42WS</a> <a href="#">BAT42WS-G</a>	-	-
30	350	0.37	20	0.6	200	<a href="#">SD103BW</a> <a href="#">SD103BW-G</a>	<a href="#">SD103BWS</a> <a href="#">SD103BWS-G</a>	-	-
40	30	0.37	1.0	0.37	1.0	-	-	<a href="#">BAS581-02V-V-G</a>	-
40	30	0.39	1.0	0.9	15	<a href="#">SD101CW</a> <a href="#">SD101CW-G</a>	<a href="#">SD101CWS</a> <a href="#">SD101CWS-G</a>	-	-
40	200	0.38	1.0	1.0	40	-	-	-	<a href="#">BAS40</a> <a href="#">BAS40-G</a>
40	120	0.38	1.0	1.0	40	-	-	<a href="#">BAS40-02V-V-G</a>	-
40	350	0.37	20	0.6	200	<a href="#">SD103AW</a> <a href="#">SD103AW-G</a>	<a href="#">SD103AWS</a> <a href="#">SD103AWS-G</a>	-	-
50	30	0.4	1.0	0.95	15	<a href="#">SD101BW</a> <a href="#">SD101BW-G</a>	<a href="#">SD101BWS</a> <a href="#">SD101BWS-G</a>	-	-
60	30	0.41	1.0	1.0	15	<a href="#">SD101AW</a> <a href="#">SD101AW-G</a>	<a href="#">SD101AWS</a> <a href="#">SD101AWS-G</a>	-	-
70	70	0.41	1.0	1.0	15	-	<a href="#">BAS170WS</a> <a href="#">BAS170WS-G</a>	-	-
70	100	0.41	1.0	1.0	15	-	-	<a href="#">BAS70-02V-V-G</a>	-
70	200	0.41	1.0	1.0	15	-	-	-	<a href="#">BAS70</a> <a href="#">BAS70-G</a>
100	150	0.25	0.1	0.5	10	<a href="#">BAT46W</a> <a href="#">BAT46W-G</a>	-	-	-
<p>For more information, visit <a href="http://www.vishay.com/diodes/ss-schottky/">www.vishay.com/diodes/ss-schottky/</a></p> <p>For technical questions, contact <a href="mailto:DiodesEurope@vishay.com">DiodesEurope@vishay.com</a>, <a href="mailto:DiodesAmericas@vishay.com">DiodesAmericas@vishay.com</a>, <a href="mailto:DiodesAsia@vishay.com">DiodesAsia@vishay.com</a></p>									
						<a href="#">SOD-123</a>	<a href="#">SOD-323</a>	<a href="#">SOD-523</a>	<a href="#">SOT-23</a>



# DIODES

## Small Signal Schottky and Switching Diodes

Switching Diodes					Leaded	Surface-Mount			
$V_{RRM}$ (V)	$I_F / I_{F(AV)}$	$V_F$ Max. at $I_F$		$t_{rr}$ Max. (ns)	 DO-35 <sup>(1)</sup> (Glass)	 MicroMELF <sup>(1)</sup> (Glass)	 MiniMELF SOD-80 <sup>(2)</sup> (Glass)	 QuadroMELF SOD-80 <sup>(2)</sup> (Glass)	
		(V)	(mA)						
25	250	1	100	50	<a href="#">BAV17</a>	-	-	-	
35	300	1	30	4	<a href="#">BAW75</a>	-	-	-	
35	300	1	50	4	<a href="#">1N4154</a>	-	<a href="#">LL4154</a>	<a href="#">LS4154</a>	
40	200	1	100		<a href="#">BAS33</a>	<a href="#">BAQ333</a>	<a href="#">BAQ33</a>	<a href="#">BAQ133</a>	
50	300	1	200	4	<a href="#">1N4150</a>	-	<a href="#">LL4150</a>	<a href="#">LS4150</a>	
60	250	1	100	50	<a href="#">BAV18</a>	-	-	-	
60	250	1	100	50	-	<a href="#">BAV300</a>	<a href="#">BAV100</a>	<a href="#">BAV200</a>	
70	200	1	100		<a href="#">BAS34</a>	<a href="#">BAQ334</a>	<a href="#">BAQ34</a>	<a href="#">BAQ134</a>	
75	300	1	100	4	<a href="#">BAW76</a>	-	-	-	
75	300	1	50	4	<a href="#">1N4151</a>	<a href="#">MCL4151</a>	<a href="#">LL4151</a>	<a href="#">LS4151</a>	
75	600	1	200	6	<a href="#">BAW27</a>	-	-	-	
100	300	1	50	8	-	-	<a href="#">LL4148</a> <a href="#">LL4148-M</a>	-	
100	300	1	10	4	<a href="#">1N4148</a>	<a href="#">MCL4148</a>	-	<a href="#">LS4148</a>	
100	300	1	100	4	<a href="#">1N4448</a>	<a href="#">MCL4448</a>	<a href="#">LL4448</a>	<a href="#">LS4448</a>	
100	300	1	10	4	<a href="#">1N914</a>	-	-	-	
120	250	1	100	50	<a href="#">BAV19</a>	<a href="#">BAV301</a>	<a href="#">BAV101</a>	<a href="#">BAV201</a>	
140	200	1	100		<a href="#">BAY135</a>	<a href="#">BAQ335</a>	<a href="#">BAQ35</a>	<a href="#">BAQ135</a>	
200	250	1	100	50	<a href="#">BAV20</a>	<a href="#">BAV302</a>	<a href="#">BAV102</a>	<a href="#">BAV202</a>	
250	250	1	100	50	<a href="#">BAV21</a>	<a href="#">BAV303</a>	<a href="#">BAV103</a>	<a href="#">BAV203</a>	
For more information, visit <a href="http://www.vishay.com/diodes/switching/">www.vishay.com/diodes/switching/</a>  For technical questions, contact <a href="mailto:DiodesEurope@vishay.com">DiodesEurope@vishay.com</a> , <a href="mailto:DiodesAmericas@vishay.com">DiodesAmericas@vishay.com</a> , <a href="mailto:DiodesAsia@vishay.com">DiodesAsia@vishay.com</a>					 <a href="#">DO-35</a>	 <a href="#">MicroMELF</a>	 <a href="#">MiniMELF SOD-80</a>	 <a href="#">QuadroMELF SOD-80</a>	

### Notes

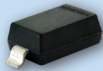
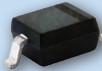

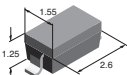
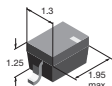
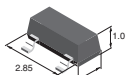
<sup>(1)</sup> Standard is halogen-free

<sup>(2)</sup> Halogen-free versions available



# DIODES

## Small Signal Schottky and Switching Diodes

Switching Diodes					Surface-Mount		
$V_{RRM}$ (V)	$I_F / I_{F(AV)}$	$V_F$ Max. at $I_F$		$t_{rr}$ Max. (ns)			
		(V)	(mA)		SOD-123	SOD-323	SOT-23
50	200	1	200	4	<a href="#">1N4150W</a> <a href="#">1N4150W-G</a>	-	-
70	250	1	50	6	-	-	<a href="#">BAL99</a> <a href="#">BAL99-G</a>
70	250	1	50	6	-	-	<a href="#">BAW56 (Common Anode)</a> <a href="#">BAW56-G (Common Anode)</a> <a href="#">BAV70 (Common Cathode)</a> <a href="#">BAV70-G (Common Cathode)</a> <a href="#">BAV99 (Dual in Series)</a> <a href="#">BAV99-G (Dual in Series)</a>
70	200	1.1	100	4	-	-	<a href="#">MMBD6050</a> <a href="#">MMBD6050-G</a>
75	150	1	50	4	<a href="#">1N4151W</a> <a href="#">1N4151W-G</a>	<a href="#">1N4151WS</a> <a href="#">1N4151WS-G</a>	-
100	150	1	10	4	<a href="#">1N4148W</a> <a href="#">1N4148W-G</a>	<a href="#">1N4148WS</a> <a href="#">1N4148WS-G</a>	<a href="#">IMBD4148</a> <a href="#">IMBD4148-G</a>
100	150	1	100	4	<a href="#">1N4448W</a> <a href="#">1N4448W-G</a>	<a href="#">1N4448WS</a> <a href="#">1N4448WS-G</a>	<a href="#">IMBD4448</a> <a href="#">IMBD4448-G</a>
100	200	1.1	100	4	-	-	<a href="#">MMBD7000</a> <a href="#">MMBD7000-G</a>
100	200	1	10	4	-	-	<a href="#">MMBD914</a> <a href="#">MMBD914-G</a>
100	250	1	50	6	<a href="#">BAS16D</a> <a href="#">BAS16D-G</a>	<a href="#">BAS16WS</a> <a href="#">BAS16WS-G</a>	<a href="#">BAS16</a> <a href="#">BAS16-G</a>
120	250	1	100	50	<a href="#">BAV19W</a> <a href="#">BAV19W-G</a>	<a href="#">BAV19WS</a> <a href="#">BAV19WS-G</a>	<a href="#">BAS19</a> <a href="#">BAS19-G</a>
200	250	1	100	50	<a href="#">BAV20W</a> <a href="#">BAV20W-G</a>	<a href="#">BAV20WS</a> <a href="#">BAV20WS-G</a>	<a href="#">BAS20</a> <a href="#">BAS20-G</a>
250	400	1	100	50	-	-	<a href="#">BAV23C</a> <a href="#">BAV23C-G</a>
250	250	1	100	50	<a href="#">BAV21W</a> <a href="#">BAV21W-G</a>	<a href="#">BAV21WS</a> <a href="#">BAV21WS-G</a>	<a href="#">BAS21</a> <a href="#">BAS21-G</a>
300	225	1	100	50	<a href="#">GSD2004W</a> <a href="#">GSD2004W-G</a>	<a href="#">GSD2004WS</a> <a href="#">GSD2004WS-G</a>	<a href="#">GSD2004A</a> <a href="#">GSD2004S</a> <a href="#">GSD2004C</a> <a href="#">GSD2004A-G</a> <a href="#">GSD2004S-G</a> <a href="#">GSD2004C-G</a>
For more information, visit <a href="http://www.vishay.com/diodes/switching/">www.vishay.com/diodes/switching/</a> For technical questions, contact <a href="mailto:DiodesEurope@vishay.com">DiodesEurope@vishay.com</a> , <a href="mailto:DiodesAmericas@vishay.com">DiodesAmericas@vishay.com</a> , <a href="mailto:DiodesAsia@vishay.com">DiodesAsia@vishay.com</a>							
					SOD-123	SOD-323	SOT-23