

SCHOTTKY RECTIFIER DIODES, METAL PACKAGES

IS1 Part Number	Maximum Average Rectified Current @ T _v		Peak Inverse Voltage	Peak Forward Surge Current @ 5.2ms Superimposed	Maximum Fwd Voltage @ Rated I _F & T _v = 25°C	Maximum Reverse Current @ T _v = 25°C		Typical Junction Capacitance at 1.0 MHz		Outline																																																																																				
	I _F (A)	T _v (°C)	PIV (V)	I _{FSM} (Amps)	V _{FM} (Volts)	I _R (mA)	V _R (V)	C (pF)	V _C (V)																																																																																					
1N5823 1N5824 1N5825	5.0	80	20 30 40		.360 .370 .380		20 30 40	n/a		<p>All Dimensions in $\frac{\text{Inch}}{\text{mm}}$</p> <p>TOPHAT</p>																																																																																				
SBR2520 SBR2525 SBR2530 SBR2535 SBR2540 SBR2545	25	100	20 25 30 35 40 45	600	.580	2.0	20 25 30 35 40 45	1200	5.0	<table border="1"> <thead> <tr> <th>Dim</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Notes</th> </tr> </thead> <tbody> <tr><td>A</td><td>-</td><td>-</td><td>-</td><td>-</td><td>10-32</td></tr> <tr><td>B</td><td>.424</td><td>.437</td><td>10.77</td><td>11.10</td><td></td></tr> <tr><td>C</td><td>-</td><td>.505</td><td>-</td><td>12.82</td><td></td></tr> <tr><td>D</td><td>.600</td><td>.800</td><td>15.24</td><td>20.32</td><td></td></tr> <tr><td>E</td><td>.422</td><td>.453</td><td>10.72</td><td>11.50</td><td></td></tr> <tr><td>F</td><td>.075</td><td>.175</td><td>1.91</td><td>4.44</td><td></td></tr> <tr><td>G</td><td>-</td><td>.405</td><td>-</td><td>10.29</td><td></td></tr> <tr><td>H</td><td>.163</td><td>.189</td><td>4.15</td><td>4.80</td><td>2</td></tr> <tr><td>J</td><td>-</td><td>.310</td><td>-</td><td>7.87</td><td></td></tr> <tr><td>M</td><td>-</td><td>.350</td><td>-</td><td>8.89</td><td>Dia</td></tr> <tr><td>N</td><td>.020</td><td>.065</td><td>.510</td><td>1.65</td><td></td></tr> <tr><td>P</td><td>.060</td><td>.100</td><td>1.53</td><td>2.54</td><td>Dia</td></tr> </tbody> </table>	Dim	Min	Max	Min	Max	Notes	A	-	-	-	-	10-32	B	.424	.437	10.77	11.10		C	-	.505	-	12.82		D	.600	.800	15.24	20.32		E	.422	.453	10.72	11.50		F	.075	.175	1.91	4.44		G	-	.405	-	10.29		H	.163	.189	4.15	4.80	2	J	-	.310	-	7.87		M	-	.350	-	8.89	Dia	N	.020	.065	.510	1.65		P	.060	.100	1.53	2.54	Dia						
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SBR3035 SBR3040 SBR3045 SBR3050	30	145	35 40 45 50	600	.630	1.5	35 40 45 50	1800	5.0																																																																																					
SD4135 SD4145	30	140	35 45	600	.680	1.5	35 45	1350	5.0																																																																																					
SBR6030 SBR6035 SBR6040 SBR6045	60	89	30 35 40 45	1000	.60	2.0	30 35 40 45	2700	5.0	<table border="1"> <thead> <tr> <th>Dim</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Notes</th> </tr> </thead> <tbody> <tr><td>A</td><td>-</td><td>-</td><td>-</td><td>-</td><td>1/4-28</td></tr> <tr><td>B</td><td>.677</td><td>.687</td><td>17.19</td><td>17.44</td><td></td></tr> <tr><td>C</td><td>-</td><td>.793</td><td>-</td><td>20.14</td><td></td></tr> <tr><td>D</td><td>-</td><td>1.00</td><td>-</td><td>25.40</td><td></td></tr> <tr><td>E</td><td>.427</td><td>.447</td><td>10.84</td><td>11.35</td><td></td></tr> <tr><td>F</td><td>.115</td><td>.200</td><td>2.92</td><td>5.08</td><td></td></tr> <tr><td>G</td><td>-</td><td>.450</td><td>-</td><td>12.95</td><td></td></tr> <tr><td>H</td><td>.220</td><td>.249</td><td>5.59</td><td>6.33</td><td>2</td></tr> <tr><td>J</td><td>-</td><td>.375</td><td>-</td><td>9.52</td><td></td></tr> <tr><td>K</td><td>.156</td><td>-</td><td>3.97</td><td>-</td><td></td></tr> <tr><td>M</td><td>-</td><td>.510</td><td>-</td><td>14.98</td><td>Dia</td></tr> <tr><td>N</td><td>-0</td><td>.085</td><td>-</td><td>2.03</td><td></td></tr> <tr><td>P</td><td>.140</td><td>.175</td><td>3.58</td><td>4.44</td><td>Dia</td></tr> </tbody> </table>	Dim	Min	Max	Min	Max	Notes	A	-	-	-	-	1/4-28	B	.677	.687	17.19	17.44		C	-	.793	-	20.14		D	-	1.00	-	25.40		E	.427	.447	10.84	11.35		F	.115	.200	2.92	5.08		G	-	.450	-	12.95		H	.220	.249	5.59	6.33	2	J	-	.375	-	9.52		K	.156	-	3.97	-		M	-	.510	-	14.98	Dia	N	-0	.085	-	2.03		P	.140	.175	3.58	4.44	Dia
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