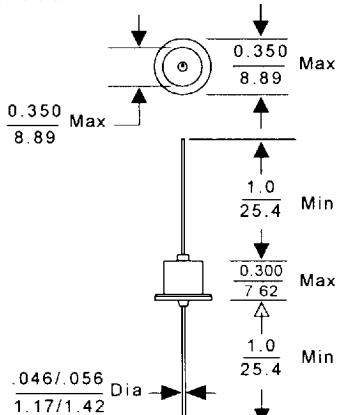
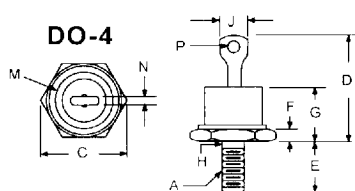
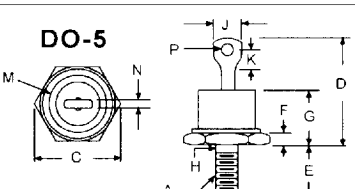


SCHOTTKY RECTIFIER DIODES, METAL PACKAGES

ISI Part Number	Maximum Average Rectified Current @ T _a		Peak Inverse Voltage	Peak Forward Surge Current @ 8.3ms Superimposed	Maximum Fwd Voltage @ Rated I _F & T _a =25°C	Maximum Reverse Current @ T _a =25°C		Typical Junction Capacitance at 1.0 MHz	Outline																																																																																					
	I _F (A)	T _J (°C)	PIV (V)	I _{FSM} (Amps)	V _{FM} (Volts)	I _R (mA)	V _R (V)	C (pF)	V _R (V)	Inches/millimeters																																																																																				
1N5823 1N5824 1N5825	5.0	80	20	500	.360	10	20	n/a																																																																																						
30			.370		30																																																																																									
40			.380		40																																																																																									
SBR2520 SBR2525 SBR2530 SBR2535 SBR2540 SBR2545	25	100	20	600	.580	2.0	20	1200	5.0																																																																																					
25					25																																																																																									
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45					45																																																																																									
SBR3035 SBR3040 SBR3045 SBR3050	30	145	35	600	.630	1.5	35	1800	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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SD4135 SD4145	30	140	35	600	.680	1.5	35	1350	5.0																																																																																					
45					45																																																																																									
SBR6030 SBR6035 SBR6040 SBR6045	60	89	30	1000	.60	2.0	30	2700	5.0																																																																																					
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45					45																																																																																									
SD5135 SD5145	60	135	35	800	.70	2.0	35	2300	5.0																																																																																					
45					45																																																																																									
SBR8035 SBR8040 SBR8045 SBR8050	85	89	35	1200	.74	2.0	35	2300	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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