M BR1.8 SERIES
SINGLE & DUAL OUTPUTS

FEATURES:
• Up To 1.8 Watt Output Power
• 500Vdc Isolation
• Output Types
• 24 Pin DIL & SMD Package
• Regulated & Unregulated
• Surface Mount

GENERAL SPECIFICATIONS:
Output Ripple & Noise
Isolation Resistance
Switching Frequency
Operating Temperature
Efficiency(Unregulated)
(Regulated)
Short Circuit Protection
Weight
50mV P-P(20Khz B.W.)
100M @500Vdc
20Khz Min.
0-70C
70% Typ.
50%
Continuous
9.1G

ELECTRICAL SPECIFICATIONS:
Input Voltage Range
Output Voltage Tolerance
Line Regulation (Unreg.)
(Note 1) (Reg.)
Load Regulation (Unreg.)
(Note 1) (Reg.)
/+ -5%
/+ -5%
/+ -1.2%
/+ -6%
/+ -10%
/+ -0.3%
/+ -0.3%

MODEL SELECTION GUIDE:

<table>
<thead>
<tr>
<th>INPUT VOLTAGE (VDC)</th>
<th>OUTPUT VOLTAGE (VDC)</th>
<th>OUTPUT CURRENT (MA)</th>
<th>EFFICIENCY (%TYP.)</th>
<th>MODEL NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>5.00</td>
<td>360</td>
<td>50</td>
<td>MBR1.8-5S05R(**)</td>
</tr>
<tr>
<td>5</td>
<td>3.00</td>
<td>200</td>
<td>75</td>
<td>MBR1.8-5S09N(**)</td>
</tr>
<tr>
<td>5</td>
<td>12.00</td>
<td>150</td>
<td>55</td>
<td>MBR1.8-5S12R(**)</td>
</tr>
<tr>
<td>5</td>
<td>15.00</td>
<td>120</td>
<td>75</td>
<td>MBR1.8-5S15N(**)</td>
</tr>
<tr>
<td>5</td>
<td>+/- 5.00</td>
<td>+/- 180</td>
<td>75</td>
<td>MBR1.8-5D05N(**)</td>
</tr>
<tr>
<td>5</td>
<td>+/- 12.00</td>
<td>+/- 75</td>
<td>55</td>
<td>MBR1.8-5D12R(**)</td>
</tr>
<tr>
<td>5</td>
<td>+/- 15.00</td>
<td>+/- 60</td>
<td>75</td>
<td>MBR1.8-5D15N(**)</td>
</tr>
<tr>
<td>12</td>
<td>5.00</td>
<td>360</td>
<td>50</td>
<td>MBR1.8-12S05R(**)</td>
</tr>
<tr>
<td>12</td>
<td>12.00</td>
<td>150</td>
<td>75</td>
<td>MBR1.8-12S12N(**)</td>
</tr>
<tr>
<td>12</td>
<td>+/- 12.00</td>
<td>+/- 75</td>
<td>75</td>
<td>MBR1.8-12D12N(**)</td>
</tr>
<tr>
<td>12</td>
<td>+/- 15.00</td>
<td>+/- 60</td>
<td>55</td>
<td>MBR1.8-12D15R(**)</td>
</tr>
</tbody>
</table>

Note (**): Insert suffix; SM for Surface-mount type or TH for Thru-hole Type mounting • MODIFICATIONS AND CUSTOMS AVAILABLE

International Coil, Inc., 15 Jonathan Drive, Unit 1 Brockton, MA, 02301 Tel(508) 580-8515, Fax 508-580-8511, www.acutepower.com