SWITCHING MODE POWER SUPPLY APPLICATION.
CONVERTER & CHOPPER APPLICATION.

FEATURES
- Average Output Rectified Current : I_{O}=10A.
- Repetitive Peak Reverse Voltage : V_{RRM}=200V.
- Fast Reverse Recovery Time : t_{rr}=35ns.

MAXIMUM RATING (T_a=25°C)

<table>
<thead>
<tr>
<th>CHARACTERISTIC</th>
<th>SYMBOL</th>
<th>RATING</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repetitive Peak Reverse Voltage</td>
<td>V_{RRM}</td>
<td>200</td>
<td>V</td>
</tr>
<tr>
<td>Average Output Rectified Current</td>
<td>I_{O}</td>
<td>10</td>
<td>A</td>
</tr>
<tr>
<td>Peak One Cycle Surge Forward Current</td>
<td>I_{FSM}</td>
<td>100</td>
<td>A</td>
</tr>
<tr>
<td>Junction Temperature</td>
<td>T_{j}</td>
<td>40~150</td>
<td>°C</td>
</tr>
<tr>
<td>Storage Temperature Range</td>
<td>T_{stg}</td>
<td>-55~150</td>
<td>°C</td>
</tr>
</tbody>
</table>

Note : average forward current of center tap full wave connection.

ELECTRICAL CHARACTERISTICS (T_a=25°C)

<table>
<thead>
<tr>
<th>CHARACTERISTIC</th>
<th>SYMBOL</th>
<th>TEST CONDITION</th>
<th>MIN.</th>
<th>TYP.</th>
<th>MAX.</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak Forward Voltage</td>
<td>V_{FM}</td>
<td>I_{FM}=5A</td>
<td>-</td>
<td>-</td>
<td>0.95</td>
<td>V</td>
</tr>
<tr>
<td>Repetitive Peak Reverse Current</td>
<td>I_{RRM}</td>
<td>V_{RRM}=Rated</td>
<td>-</td>
<td>-</td>
<td>50</td>
<td>μA</td>
</tr>
<tr>
<td>Reverse Recovery Time</td>
<td>t_{rr}</td>
<td>I_p=1.0A, di/dt=-30A/μs</td>
<td>-</td>
<td>-</td>
<td>35</td>
<td>ns</td>
</tr>
<tr>
<td>Thermal Resistance</td>
<td>R_{th(j-c)}</td>
<td>Juction to Case</td>
<td>-</td>
<td>-</td>
<td>3</td>
<td>°C/W</td>
</tr>
</tbody>
</table>

Note : A value of one cell