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1. What is ROHM AC/DC Designer?

Outline
The online tool “ROHM AC/DC Designer” is an assistant tool which outputs circuit designs using Rohm’s ACDC power source. It can output Reference circuits, Component lists, Trans designs easily by matching the conditions the user entered.

1.2 Language Used
Basically, English is the language used in ROHM AC/DC Designer.

1.3 Products

| BM2P091F | BM2P092F | BM2P093F | BM2P094F | BM2P051F | BM2P052F |
| BM2P053F | BM2P054F | BM2P091 | BM2P092 | BM2P093 | BM2P094 |
| BM2P051 | BM2P052 | BM2P053 | BM2P054 | BM2P031 | BM2P032 |
| BM2P033 | BM2P034 | BM2P011 | BM2P012 | BM2P013 | BM2P014 |
| BM1P101FJ | BM1P102FJ | BM1P061FJ | BM1P062FJ |

1.4 Precautions
We have implemented an account register system for the ROHM AC/DC Designer. After a month of usage, there will be a requirement for an account registration. If the registration is not completed, the ROHM AC/DC Designer will not operate.

In order to operate ROHM AC/DC Designer, the environment written below will be needed.

- Microsoft Silverlight
- Adobe Reader (a software to open PDF files)

This tool works best with the following browsers: Firefox; Internet Explorer 11.

Please Read the Exemption clause before using the ROHM AC/DC Designer.
The specification of the ROHM AC/DC Designer may change without any notice.

1.5 Contact
https://www.rohm.com/web/global/contactus
2. How to Access

① There is a ROHM AC/DC Designer search tool created on HOME/Power source IC page. Click the search button after the parameter column is entered (Vin min/max, Vout, Iout).
② It will search for the ICs which correspond to the conditions set at ①. By clicking the check box at the function column, it will narrow down the ICs further. Select the IC which best corresponds to the user’s selected conditions and then click the D button next to the model name.

③ A pop-up will appear, with the numbers entered in the parameter column, and when the Design button is clicked, the tool will activate.
3. How to Use

3.1 Activating ROHM AC/DC Designer
ROHM AC/DC Designer
When the Design button is clicked, the browser will start up, and will move on to “Calculation Running” screen.

3.2 The initial page for output
When the calculation is finished, the Reference circuit will appear.

3.3 Switching between pages
The pages will switch, when the Tab button is clicked.
3.4 Recalculation
In “Design Result”, detailed conditions can be changed. The changed numbers will be shown in blue. By clicking the “Calculate” button after the changes, it will recalculate. Regarding the 4 items; Input Voltage (Min/Max), Output Voltage, Output Current, there is no need to move to the “Design Result”, for it could be changed from the Specifications at the top of the page.

3.5 Design Failure
A design failure may occur depending on the value entered. In that case, it will move on to “Design Result”, and “Design Failure” will be indicated. Recalculate by changing the conditions.
3.6 Reset
When the Reset button is clicked, the conditions will reset to when the ROHM AC/DC Designer was first activated.

3.7 Download the material for the designing
When "Download Design" is clicked, it will move on to creating a PDF file of the output results. When it finishes creating the PDF file, a PDF name will be shown, and by clicking the Download button the PDF file could be downloaded.
4. Troubleshooting

When an error occurs during the operation of the ROHM AC/DC Designer, an error page will be shown. By clicking the “Confirmation” button, the error page will close.

Error page

<table>
<thead>
<tr>
<th>Type</th>
<th>Error Message</th>
<th>Method of dealing</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERROR</td>
<td>The channel for the simulation doesn’t remain.</td>
<td>The access number to the ROHM DC/DC Designer has exceeded the limit. Please access again after giving it a little while.</td>
</tr>
<tr>
<td>ERROR</td>
<td>Session close. (Timeout happened between server PC.)</td>
<td>This is a condition when there was no action operated for a fixed time. Please reload the browser, or attempt to access the page again.</td>
</tr>
<tr>
<td>ERROR</td>
<td>URL is incorrect</td>
<td>The Login information was not effective, and the URL is incorrect. Please Login again.</td>
</tr>
<tr>
<td>Warning</td>
<td>Setting has been changed. Please run the simulation.</td>
<td>This occurs when performing “Download Design” instead of “Simulate” after changing the value. Please perform “Simulate”.</td>
</tr>
</tbody>
</table>

5. Exemption Clause

Please read the exemption clause before using the ROHM DC/DC Designer. The exemption clause can be seen by clicking the URL below.


6. Supplementary Note

■ When using the proxy search engine, please enable the web browser setting to HTTP1.1.
When using Windows Internet Explorer, please enable all HTTP1.1, from Menu Bar>Tools>Internet Option>Advanced Settings.
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(\textbf{Note1}) Medical Equipment Classification of the Specific Applications

<table>
<thead>
<tr>
<th>JAPAN</th>
<th>USA</th>
<th>EU</th>
<th>CHINA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLASS III</td>
<td>CLASS III</td>
<td>CLASS II b</td>
<td>CLASS III</td>
</tr>
<tr>
<td>CLASS IV</td>
<td></td>
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7. Any system embedding electronic devices can fail or malfunction at a certain rate.

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