## PMP40312 Test Results

### 1. Efficiency

Test at USB type-C board end with dual channels

#### Vin=9V Vo=5V

<table>
<thead>
<tr>
<th>Vin(V)</th>
<th>Iin(A)</th>
<th>Vo1(V)</th>
<th>Vo2(V)</th>
<th>Iout1(A)</th>
<th>Iout2(A)</th>
<th>Pin(W)</th>
<th>Pout(W)</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.999</td>
<td>0.641</td>
<td>4.968</td>
<td>4.960</td>
<td>0.499</td>
<td>0.502</td>
<td>5.768</td>
<td>4.969</td>
<td>86.14%</td>
</tr>
<tr>
<td>9.002</td>
<td>1.215</td>
<td>4.956</td>
<td>4.947</td>
<td>0.998</td>
<td>1.000</td>
<td>10.937</td>
<td>9.893</td>
<td>90.45%</td>
</tr>
<tr>
<td>9.030</td>
<td>3.574</td>
<td>4.882</td>
<td>4.867</td>
<td>2.999</td>
<td>3.006</td>
<td>32.273</td>
<td>29.271</td>
<td>90.70%</td>
</tr>
</tbody>
</table>

#### Vin=12V Vo=5V

<table>
<thead>
<tr>
<th>Vin(V)</th>
<th>Iin(A)</th>
<th>Vo1(V)</th>
<th>Vo2(V)</th>
<th>Iout1(A)</th>
<th>Iout2(A)</th>
<th>Pin(W)</th>
<th>Pout(W)</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.012</td>
<td>0.506</td>
<td>4.970</td>
<td>4.950</td>
<td>0.499</td>
<td>0.505</td>
<td>6.078</td>
<td>4.980</td>
<td>81.93%</td>
</tr>
<tr>
<td>11.993</td>
<td>0.935</td>
<td>4.951</td>
<td>4.941</td>
<td>0.998</td>
<td>1.003</td>
<td>11.213</td>
<td>9.897</td>
<td>88.26%</td>
</tr>
<tr>
<td>12.034</td>
<td>1.373</td>
<td>4.933</td>
<td>4.923</td>
<td>1.499</td>
<td>1.504</td>
<td>16.523</td>
<td>14.799</td>
<td>89.57%</td>
</tr>
<tr>
<td>12.023</td>
<td>1.814</td>
<td>4.913</td>
<td>4.905</td>
<td>1.999</td>
<td>2.001</td>
<td>21.810</td>
<td>19.636</td>
<td>90.03%</td>
</tr>
<tr>
<td>12.016</td>
<td>2.710</td>
<td>4.877</td>
<td>4.866</td>
<td>2.999</td>
<td>3.005</td>
<td>32.563</td>
<td>29.248</td>
<td>89.82%</td>
</tr>
</tbody>
</table>

#### Vin=14.5V Vo=5V

<table>
<thead>
<tr>
<th>Vin(V)</th>
<th>Iin(A)</th>
<th>Vo1(V)</th>
<th>Vo2(V)</th>
<th>Iout1(A)</th>
<th>Iout2(A)</th>
<th>Pin(W)</th>
<th>Pout(W)</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.500</td>
<td>0.431</td>
<td>4.967</td>
<td>4.952</td>
<td>0.499</td>
<td>0.506</td>
<td>6.250</td>
<td>4.984</td>
<td>79.75%</td>
</tr>
<tr>
<td>14.509</td>
<td>0.791</td>
<td>4.951</td>
<td>4.938</td>
<td>0.998</td>
<td>1.002</td>
<td>11.477</td>
<td>9.889</td>
<td>86.17%</td>
</tr>
<tr>
<td>14.520</td>
<td>1.522</td>
<td>4.915</td>
<td>4.902</td>
<td>1.999</td>
<td>2.002</td>
<td>22.099</td>
<td>19.639</td>
<td>88.87%</td>
</tr>
<tr>
<td>14.503</td>
<td>1.890</td>
<td>4.895</td>
<td>4.888</td>
<td>2.498</td>
<td>2.501</td>
<td>27.411</td>
<td>24.453</td>
<td>89.21%</td>
</tr>
<tr>
<td>14.458</td>
<td>2.274</td>
<td>4.876</td>
<td>4.874</td>
<td>2.999</td>
<td>3.004</td>
<td>32.877</td>
<td>29.265</td>
<td>89.01%</td>
</tr>
</tbody>
</table>

#### Vin=9V Vo=9V

<table>
<thead>
<tr>
<th>Vin(V)</th>
<th>Iin(A)</th>
<th>Vo1(V)</th>
<th>Vo2(V)</th>
<th>Iout1(A)</th>
<th>Iout2(A)</th>
<th>Pin(W)</th>
<th>Pout(W)</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.002</td>
<td>1.096</td>
<td>8.990</td>
<td>8.965</td>
<td>0.499</td>
<td>0.502</td>
<td>9.866</td>
<td>8.986</td>
<td>91.08%</td>
</tr>
<tr>
<td>9.002</td>
<td>2.116</td>
<td>8.970</td>
<td>8.960</td>
<td>0.998</td>
<td>1.000</td>
<td>19.048</td>
<td>17.912</td>
<td>94.04%</td>
</tr>
<tr>
<td>8.996</td>
<td>4.221</td>
<td>8.950</td>
<td>8.926</td>
<td>1.999</td>
<td>2.000</td>
<td>37.972</td>
<td>35.743</td>
<td>94.13%</td>
</tr>
<tr>
<td>9.003</td>
<td>5.269</td>
<td>8.873</td>
<td>8.903</td>
<td>2.498</td>
<td>2.500</td>
<td>47.437</td>
<td>44.422</td>
<td>93.65%</td>
</tr>
</tbody>
</table>
### Vin = 12V, Vo = 9V

<table>
<thead>
<tr>
<th>Vin(V)</th>
<th>Iin(A)</th>
<th>Vo1(V)</th>
<th>Vo2(V)</th>
<th>Iout1(A)</th>
<th>Iout2(A)</th>
<th>Pin(W)</th>
<th>Pout(W)</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.003</td>
<td>0.843</td>
<td>8.967</td>
<td>8.960</td>
<td>0.499</td>
<td>0.506</td>
<td>10.119</td>
<td>9.008</td>
<td>89.03%</td>
</tr>
<tr>
<td>12.000</td>
<td>1.611</td>
<td>8.952</td>
<td>8.946</td>
<td>0.998</td>
<td>1.005</td>
<td>19.332</td>
<td>17.925</td>
<td>92.72%</td>
</tr>
<tr>
<td>11.991</td>
<td>3.176</td>
<td>8.920</td>
<td>8.912</td>
<td>1.999</td>
<td>2.004</td>
<td>38.083</td>
<td>35.691</td>
<td>93.72%</td>
</tr>
<tr>
<td>12.004</td>
<td>3.960</td>
<td>8.898</td>
<td>8.895</td>
<td>2.498</td>
<td>2.503</td>
<td>47.536</td>
<td>44.491</td>
<td>93.60%</td>
</tr>
<tr>
<td>12.052</td>
<td>4.746</td>
<td>8.870</td>
<td>8.867</td>
<td>2.999</td>
<td>3.003</td>
<td>57.199</td>
<td>53.229</td>
<td>93.06%</td>
</tr>
</tbody>
</table>

### Vin = 14.5V, Vo = 9V

<table>
<thead>
<tr>
<th>Vin(V)</th>
<th>Iin(A)</th>
<th>Vo1(V)</th>
<th>Vo2(V)</th>
<th>Iout1(A)</th>
<th>Iout2(A)</th>
<th>Pin(W)</th>
<th>Pout(W)</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.531</td>
<td>0.712</td>
<td>8.970</td>
<td>8.960</td>
<td>0.499</td>
<td>0.503</td>
<td>10.346</td>
<td>8.983</td>
<td>86.82%</td>
</tr>
<tr>
<td>14.496</td>
<td>1.355</td>
<td>8.950</td>
<td>8.950</td>
<td>0.998</td>
<td>1.002</td>
<td>19.642</td>
<td>17.900</td>
<td>91.13%</td>
</tr>
<tr>
<td>14.513</td>
<td>2.645</td>
<td>8.916</td>
<td>8.910</td>
<td>1.998</td>
<td>2.004</td>
<td>38.387</td>
<td>35.670</td>
<td>92.92%</td>
</tr>
<tr>
<td>14.495</td>
<td>3.298</td>
<td>8.884</td>
<td>8.880</td>
<td>2.498</td>
<td>2.503</td>
<td>47.805</td>
<td>44.419</td>
<td>92.92%</td>
</tr>
<tr>
<td>14.502</td>
<td>3.960</td>
<td>8.866</td>
<td>8.870</td>
<td>2.999</td>
<td>3.004</td>
<td>57.428</td>
<td>53.235</td>
<td>92.70%</td>
</tr>
</tbody>
</table>

### Vin = 9V, Vo = 12V

<table>
<thead>
<tr>
<th>Vin(V)</th>
<th>Iin(A)</th>
<th>Vo1(V)</th>
<th>Vo2(V)</th>
<th>Iout1(A)</th>
<th>Iout2(A)</th>
<th>Pin(W)</th>
<th>Pout(W)</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.000</td>
<td>1.486</td>
<td>12.043</td>
<td>12.117</td>
<td>0.498</td>
<td>0.498</td>
<td>13.374</td>
<td>12.029</td>
<td>89.95%</td>
</tr>
<tr>
<td>9.002</td>
<td>2.870</td>
<td>12.028</td>
<td>12.094</td>
<td>0.993</td>
<td>0.999</td>
<td>25.836</td>
<td>24.023</td>
<td>92.98%</td>
</tr>
<tr>
<td>9.000</td>
<td>5.754</td>
<td>11.985</td>
<td>12.055</td>
<td>1.996</td>
<td>2.000</td>
<td>51.786</td>
<td>48.031</td>
<td>92.75%</td>
</tr>
<tr>
<td>8.962</td>
<td>7.270</td>
<td>11.960</td>
<td>12.023</td>
<td>2.490</td>
<td>2.501</td>
<td>65.154</td>
<td>59.844</td>
<td>91.85%</td>
</tr>
<tr>
<td>9.000</td>
<td>7.880</td>
<td>11.933</td>
<td>12.008</td>
<td>2.698</td>
<td>2.702</td>
<td>70.920</td>
<td>64.636</td>
<td>91.14%</td>
</tr>
</tbody>
</table>

### Vin = 12V, Vo = 12V

<table>
<thead>
<tr>
<th>Vin(V)</th>
<th>Iin(A)</th>
<th>Vo1(V)</th>
<th>Vo2(V)</th>
<th>Iout1(A)</th>
<th>Iout2(A)</th>
<th>Pin(W)</th>
<th>Pout(W)</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.952</td>
<td>1.110</td>
<td>12.036</td>
<td>12.109</td>
<td>0.498</td>
<td>0.498</td>
<td>13.267</td>
<td>12.022</td>
<td>90.62%</td>
</tr>
<tr>
<td>12.009</td>
<td>2.127</td>
<td>12.019</td>
<td>12.086</td>
<td>0.992</td>
<td>0.999</td>
<td>25.543</td>
<td>23.994</td>
<td>93.94%</td>
</tr>
<tr>
<td>11.964</td>
<td>3.192</td>
<td>12.000</td>
<td>12.070</td>
<td>1.501</td>
<td>1.499</td>
<td>38.189</td>
<td>36.109</td>
<td>94.55%</td>
</tr>
<tr>
<td>11.998</td>
<td>4.221</td>
<td>11.980</td>
<td>12.030</td>
<td>1.995</td>
<td>2.000</td>
<td>50.644</td>
<td>47.959</td>
<td>94.70%</td>
</tr>
<tr>
<td>12.002</td>
<td>5.267</td>
<td>11.960</td>
<td>11.945</td>
<td>2.490</td>
<td>2.501</td>
<td>63.215</td>
<td>59.649</td>
<td>94.36%</td>
</tr>
<tr>
<td>11.996</td>
<td>5.710</td>
<td>11.938</td>
<td>11.898</td>
<td>2.698</td>
<td>2.701</td>
<td>68.497</td>
<td>64.350</td>
<td>93.95%</td>
</tr>
</tbody>
</table>

### Vin = 14.5V, Vo = 12V

<table>
<thead>
<tr>
<th>Vin(V)</th>
<th>Iin(A)</th>
<th>Vo1(V)</th>
<th>Vo2(V)</th>
<th>Iout1(A)</th>
<th>Iout2(A)</th>
<th>Pin(W)</th>
<th>Pout(W)</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.480</td>
<td>0.929</td>
<td>12.013</td>
<td>12.078</td>
<td>0.497</td>
<td>0.498</td>
<td>13.449</td>
<td>11.984</td>
<td>89.11%</td>
</tr>
<tr>
<td>14.494</td>
<td>1.780</td>
<td>11.996</td>
<td>12.070</td>
<td>0.992</td>
<td>0.999</td>
<td>25.799</td>
<td>23.957</td>
<td>92.86%</td>
</tr>
<tr>
<td>14.496</td>
<td>2.647</td>
<td>11.980</td>
<td>12.055</td>
<td>1.501</td>
<td>1.499</td>
<td>38.371</td>
<td>36.051</td>
<td>93.95%</td>
</tr>
<tr>
<td>Vin=9V Vo=15V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
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<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>Vin(V)</td>
<td>Iin(A)</td>
<td>Vo1(V)</td>
<td>Vo2(V)</td>
<td>Iout1(A)</td>
<td>Iout2(A)</td>
<td>Pin(W)</td>
<td>Pout(W)</td>
<td>Efficiency</td>
</tr>
<tr>
<td>8.995</td>
<td>1.522</td>
<td>15.010</td>
<td>15.010</td>
<td>0.399</td>
<td>0.397</td>
<td>13.690</td>
<td>11.948</td>
<td>87.27%</td>
</tr>
<tr>
<td>9.025</td>
<td>3.295</td>
<td>14.991</td>
<td>14.999</td>
<td>0.899</td>
<td>0.911</td>
<td>29.737</td>
<td>27.145</td>
<td>91.28%</td>
</tr>
<tr>
<td>9.022</td>
<td>5.800</td>
<td>14.955</td>
<td>14.958</td>
<td>1.598</td>
<td>1.602</td>
<td>52.328</td>
<td>47.861</td>
<td>91.46%</td>
</tr>
<tr>
<td>8.905</td>
<td>7.368</td>
<td>14.941</td>
<td>14.953</td>
<td>1.989</td>
<td>2.000</td>
<td>65.612</td>
<td>59.624</td>
<td>90.87%</td>
</tr>
<tr>
<td>8.993</td>
<td>7.960</td>
<td>14.950</td>
<td>15.023</td>
<td>2.158</td>
<td>2.171</td>
<td>71.584</td>
<td>64.882</td>
<td>90.64%</td>
</tr>
</tbody>
</table>

| Vin=12V Vo=15V |  |
|---|---|---|---|---|---|---|---|
| Vin(V) | Iin(A) | Vo1(V) | Vo2(V) | Iout1(A) | Iout2(A) | Pin(W) | Pout(W) | Efficiency |
| 11.974 | 1.125 | 15.013 | 15.010 | 0.399 | 0.400 | 13.471 | 11.994 | 89.04% |
| 12.006 | 2.166 | 14.999 | 14.998 | 0.799 | 0.802 | 26.005 | 24.013 | 93.34% |
| 12.095 | 3.188 | 14.880 | 14.980 | 1.199 | 1.213 | 38.559 | 36.132 | 93.71% |
| 12.015 | 4.243 | 14.963 | 14.960 | 1.598 | 1.600 | 50.980 | 47.847 | 93.85% |
| 12.024 | 5.305 | 14.944 | 14.945 | 1.998 | 2.000 | 63.787 | 59.748 | 93.67% |
| 12.002 | 5.784 | 14.940 | 15.016 | 2.159 | 2.171 | 69.420 | 64.857 | 93.43% |

| Vin=14.5V Vo=15V |  |
|---|---|---|---|---|---|---|---|
| Vin(V) | Iin(A) | Vo1(V) | Vo2(V) | Iout1(A) | Iout2(A) | Pin(W) | Pout(W) | Efficiency |
| 14.497 | 0.925 | 15.003 | 15.008 | 0.399 | 0.402 | 13.410 | 12.019 | 89.63% |
| 14.990 | 1.722 | 14.783 | 14.999 | 0.799 | 0.805 | 25.813 | 24.046 | 93.15% |
| 14.500 | 2.630 | 14.969 | 14.979 | 1.199 | 1.212 | 38.135 | 36.102 | 94.67% |
| 14.492 | 3.481 | 14.951 | 14.949 | 1.598 | 1.602 | 50.447 | 47.840 | 94.83% |
| 14.508 | 4.349 | 14.933 | 14.933 | 1.998 | 2.004 | 63.095 | 59.762 | 94.72% |
| 14.999 | 4.570 | 14.933 | 14.984 | 2.158 | 2.171 | 68.545 | 64.756 | 94.47% |
2. Ripple and noise

- **Vin=9V, Vo=5V, Io=0A**
  - VBUS ripple

- **Vin=12V, Vo=5V, Io=0A**
  - VBUS ripple

- **Vin=12V, Vo=5V, Io=3A**
  - VBUS ripple

![Graph showing 15V output efficiency](image)

- **Vin=9V, Vo=5V, Io=3A**
  - VBUS ripple

- **Vin=12V, Vo=5V, Io=3A**
  - VBUS ripple
Vin=14.5V, Vo=5V, Io=0A
VBUS ripple

Vin=14.5V, Vo=5V, Io=3A
VBUS ripple

Vin=9V, Vo=9V, Io=0A
VBUS ripple

Vin=9V, Vo=9V, Io=3A
VBUS ripple

Vin=12V, Vo=9V, Io=0A
VBUS ripple

Vin=12V, Vo=9V, Io=3A
VBUS ripple
Vin=14.5V, Vo=12V, Io=0A
VBUS ripple

Vin=9V, Vo=15V, Io=0A
VBUS ripple

Vin=12V, Vo=15V, Io=0A
VBUS ripple

Vin=14.5V, Vo=12V, Io=2.7A
VBUS ripple

Vin=9V, Vo=15V Io=2.17A
VBUS ripple

Vin=12V, Vo=15V, Io=2.17A
VBUS ripple
3. Port attach and Detach
Vo=9V, attach
CH1: DVDD; CH3: VBUS

Vo=15V, attach
CH1: DVDD; CH3: VBUS

Vo=9V, detach
CH1: DVDD; CH3: VBUS

Vo=15V, detach
CH1: DVDD; CH3: VBUS

4. Load Transient
Vo=5V, Vin=9V
From 0A to 0.75A, Slew Rate: 150mA/μs
CH1: VBUS (AC coupled)
CH2: Io

Vo=5V, Vin=9V
From 0.75A to 0A, Slew Rate: 150mA/μs
CH1: VBUS (AC coupled)
CH2: Io

Vo=5V, Vin=9V
From 0.75A to 1.5A, Slew Rate: 150mA/μs
CH1: VBUS (AC coupled)
CH2: Io

Vo=5V, Vin=9V
From 1.5A to 2.25A, Slew Rate: 150mA/μs
CH1: VBUS (AC coupled)
CH2: Io

Vo=5V, Vin=9V
From 2.25A to 1.5A, Slew Rate: 150mA/μs
CH1: VBUS (AC coupled)
CH2: Io

Vo=5V, Vin=9V
From 2.25A to 3A, Slew Rate: 150mA/μs
CH1: VBUS (AC coupled)
CH2: Io

Vo=5V, Vin=9V
From 3A to 2.25A, Slew Rate: 150mA/μs
CH1: VBUS (AC coupled)
CH2: Io
Vo=5V, Vin=12V
From 0A to 0.75A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io
Vo=5V, Vin=12V
From 0.75A to 1.5A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io
Vo=5V, Vin=12V
From 1.5A to 2.25A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io
Vo=5V, Vin=12V
From 2.25A to 1.5A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io
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Vo=5V, Vin=14.5V
From 1.5A to 2.25A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: lo

Vo=5V, Vin=14.5V
From 2.25A to 1.5A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: lo

Vo=5V, Vin=14.5V
From 2.25A to 3A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: lo

Vo=5V, Vin=9V
From 0A to 0.75A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: lo

Vo=9V, Vin=9V
From 0.75A to 0A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: lo
**Table of Measurements**

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<td>CH1: VBUS (AC coupled)</td>
<td>CH2: Io</td>
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</table>
Vo=9V, Vin=12V
From 0A to 0.75A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io
Vo=9V, Vin=12V
From 0.75A to 0A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io
Vo=9V, Vin=12V
From 0.75A to 1.5A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io
Vo=9V, Vin=12V
From 1.5A to 2.25A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io
Vo=9V, Vin=12V
From 2.25A to 1.5A, Slew Rate: 150mA/us
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Vo=9V, Vin=12V
From 2.25 to 3A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io

Vo=9V, Vin=14.5V
From 0A to 0.75A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io
Vo=9V, Vin=14.5V
From 1.5A to 2.25A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io

Vo=12V, Vin=9V
From 0A to 0.75A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io

Vo=12V, Vin=9V
From 0.75A to 1.5A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io

Vo=12V, Vin=9V
From 0.75A to 1.5A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io
Vo=12V, Vin=9V
From 1.5A to 2.25A, Slew Rate: 150mA/µs
CH1: VBUS(AC coupled)
CH2: Io

Vo=12V, Vin=9V
From 2.25A to 1.5A, Slew Rate: 150mA/µs
CH1: VBUS(AC coupled)
CH2: Io

Vo=12V, Vin=9V
From 2.7A to 2.25A, Slew Rate: 150mA/µs
CH1: VBUS(AC coupled)
CH2: Io

Vo=12V, Vin=12V
From 0A to 0.75A, Slew Rate: 150mA/µs
CH1: VBUS(AC coupled)
CH2: Io

Vo=12V, Vin=12V
From 0.75A to 0A, Slew Rate: 150mA/µs
CH1: VBUS(AC coupled)
CH2: Io
Vo=12V, Vin=12V
From 0.75A to 1.5A, Slew Rate: 150mA/us
CH1: VBUS(AC coupled)
CH2: Io

Vo=12V, Vin=12V
From 1.5A to 0.75A, Slew Rate: 150mA/us
CH1: VBUS(AC coupled)
CH2: Io

Vo=12V, Vin=12V
From 1.5A to 2.25A, Slew Rate: 150mA/us
CH1: VBUS(AC coupled)
CH2: Io

Vo=12V, Vin=12V
From 2.25A to 1.5A, Slew Rate: 150mA/us
CH1: VBUS(AC coupled)
CH2: Io

Vo=12V, Vin=12V
From 2.25 to 2.7A, Slew Rate: 150mA/us
CH1: VBUS(AC coupled)
CH2: Io

Vo=12V, Vin=12V
From 2.7A to 2.25A, Slew Rate: 150mA/us
CH1: VBUS(AC coupled)
CH2: Io
Vo=12V, Vin=14.5V
From 0A to 0.75A, Slew Rate: 150mA/µs
CH1: VBUS(AC coupled)
CH2: Io

Vo=12V, Vin=14.5V
From 0.75A to 0A, Slew Rate: 150mA/µs
CH1: VBUS(AC coupled)
CH2: Io

Vo=12V, Vin=14.5V
From 0.75A to 1.5A, Slew Rate: 150mA/µs
CH1: VBUS(AC coupled)
CH2: Io

Vo=12V, Vin=14.5V
From 1.5A to 2.25A, Slew Rate: 150mA/µs
CH1: VBUS(AC coupled)
CH2: Io

Vo=12V, Vin=14.5V
From 2.25A to 1.5A, Slew Rate: 150mA/µs
CH1: VBUS(AC coupled)
CH2: Io
Vo=12V, Vin=14.5V
From 2.25 to 2.7A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io

Vo=9V, Vin=14.5V
From 2.25 to 3A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io

Vo=15V, Vin=9V
From 0A to 0.5A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io
From 0.5A to 1A, Slew Rate: 150mA/μs
CH1: VBUS (AC coupled)
CH2: Io

From 1A to 0.5A, Slew Rate: 150mA/μs
CH1: VBUS (AC coupled)
CH2: Io

From 1.5A to 1A, Slew Rate: 150mA/μs
CH1: VBUS (AC coupled)
CH2: Io

From 2A to 1.5A, Slew Rate: 150mA/μs
CH1: VBUS (AC coupled)
CH2: Io
Vo=15V, Vin=12V
From 0A to 0.5A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io

Vo=15V, Vin=12V
From 0.5A to 1A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io

Vo=15V, Vin=12V
From 1A to 1.5A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io

Vo=15V, Vin=12V
From 1.5A to 2A, Slew Rate: 150mA/us
CH1: VBUS (AC coupled)
CH2: Io
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- **Vo=15V, Vin=12V**
  - From 1.5A to 2A, Slew Rate: 150mA/µs
  - CH1: VBUS (AC coupled)
  - CH2: io

- **Vo=15V, Vin=14.5V**
  - From 0A to 0.5A, Slew Rate: 150mA/µs
  - CH1: VBUS (AC coupled)
  - CH2: io
  - From 0.5A to 1A, Slew Rate: 150mA/µs
  - CH1: VBUS (AC coupled)
  - CH2: io
  - From 1A to 0.5A, Slew Rate: 150mA/µs
  - CH1: VBUS (AC coupled)
  - CH2: io
5. Thermal

Vin=12V, Vo1=Vo2=15V, Io1=Io2=2.17A
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