Pulse Width Extender TLP-3011C

Advanced TLP/HMM/HBM Solutions

1 Features

- Fully automatic pulse width extender
- Pulse width up to 1.6 μs in 68 GPIB programmable steps of 25 ns
- High pulse output current up to ±40 A
- Can be connected to TLP-3010C/4010C/8010C systems for pulse width extension
- High performance and high quality components

2 Description

The pulse width extender TLP-3011C is used to extend the pulse width of the TLP-3010C/4010C/8010C systems up to 1.6 μs in 68 GPIB programmable steps of 25 ns. Maximum output current is ±40 A. The pulse width can be configured in the TLP software graphical user interface. The TLP-3011C is shipped including accessories: high voltage interconnection cable (HV-N), pulse width extension control cable and an external output rise time filter ORT-50 (50 ns). Fig. 1 shows the front and rear side of the TLP-3011C.

3 Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Symbol</th>
<th>Limit Values</th>
<th>Unit</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pulse width (typ.)</td>
<td>( t_p )</td>
<td>125</td>
<td>1600</td>
<td>ns</td>
</tr>
<tr>
<td></td>
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<td>GPIB programmable in 68 steps:</td>
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<td></td>
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<td></td>
<td></td>
<td>125 - 1600 ns in 25 ns steps</td>
</tr>
<tr>
<td>Dimensions TLP-3011C</td>
<td>( D_{3011C} )</td>
<td>428 (482.6) x 132.5 x 485</td>
<td>mm³</td>
<td>428 mm body, 482.6 mm rack flange</td>
</tr>
<tr>
<td>Weight TLP-3011C</td>
<td>( W_{3011C} )</td>
<td>15.7</td>
<td>kg</td>
<td>excluding accessories</td>
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</table>

Certification marks

The TLP-3011C is in line with:

1. the requirements set forth in the Code of Federal Regulations CFR 47, Part 15, Sections 15.107 and 15.109 (Class A) of the Federal Communication Commission (FCC) and the Interference-Causing Equipment Standard ICES-003 Issue4, Sections 5.2 and 5.4 (Digital Apparatus) of Industry Canada (IC).

4 Ordering Information

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Description</th>
<th>Part No.</th>
</tr>
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<tbody>
<tr>
<td>01</td>
<td>Automatic Pulse Width Extender TLP-3011C</td>
<td>TLP-3011C</td>
</tr>
</tbody>
</table>

General

The product data contained in this data-sheet is exclusively intended for technically trained staff. You and your technical departments will have to evaluate the suitability of the product for the intended application and the completeness of the product data with respect to such application. Our products are solely intended to be commercially used internally and should not be sold to consumers. This data-sheet is describing the specifications of our products for which a warranty is being granted by HPPI GmbH. Any such warranty is granted exclusively pursuant to the terms and conditions of the respective supply agreement. There will be no guarantee of any kind for the product and its specifications. For further information on technology, specific applications of our product, delivery terms, conditions and prices please contact HPPI:

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