Series 3716

6 Watt DC – DC Converters

28 Volts DC Input

Features
- Specifically designed for demanding military and aerospace applications where best value is critical.
- High efficiency
- No external components required
- Fully isolated design
- Magnetic feedback - no optocouplers used
- Input ripple current inductor
- Output common mode spike filter
- "Inhibit-not" function
- Power on soft start
- Short circuit protection
- "The Flatsco”

Specifications

INPUT: 28 VDC nominal
Range: 15 to 50 VDC continuous
18 to 50 VDC full power
Survives 80 V Surge
Power derates to 90% at 15 VDC, full power at 18 VDC

ISOLATION:
Input to case: 500 VDC
Input to output: 500 VDC
Output to case: 500 VDC

ENVIRONMENT:
Storage temperature: -55°C to +150°C
Shock: 50 G’s
Acceleration: 50 G’s
Vibration: 30 G’s

Grades:
- Industrial: Full Power Output at $T_{case} = +85°C$ and Linearity derates to zero at $T_{case} = +115°C$
- Military: Full Power Output at $T_{case} = +85°C$ and Linearity derates to zero at $T_{case} = +135°C$
- Extended Temperature: Full Power Output at $T_{case} = +125°C$ and Linearity derates to zero at $T_{case} = +155°C$

WEIGHT: 20 grams typical

Notes:
- Up to 90% full power available from either output if rated output power is not exceeded;
- Balanced load conditions.

Part Numbering System

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<th>3</th>
<th>7</th>
<th>1</th>
<th>6</th>
<th>G*</th>
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<th>C'</th>
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<th>V</th>
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<th>V</th>
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<tbody>
<tr>
<td>Series and Power</td>
<td>Grade</td>
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<td>Config</td>
<td>Voltage</td>
<td>Package</td>
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<td>G* = Grade Level</td>
<td>C’ = Configuration</td>
<td>V = Voltage</td>
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<td>BLANK = Industrial</td>
<td>S = Single Output</td>
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<td>D = Dual Output</td>
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<td>E = Extended Temperature</td>
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<td>D = Case Style 18</td>
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MDI Model Number

Your Custom Requirement Here

Part Numbers Shown for Reference Only

Note: Baseplate is recommended heat removal surface.

Your Custom Requirement Here

One Roned Road • Shirley, NY 11967 • E-mail sales@mdipower.com • Fax: 631.345.3106 • Tel 631.345.3100

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