IMAGINE Instruments™

Series: **PCM4**

Din-rail Mounted Battery Voltage Converter

FEATURES & BENEFITS

Converts Battery Voltage to Lower/Higher Value

3.6, 5, 9, 12, 15, 18 & 24 Vdc Output Models

Economical Din-rail Enclosure Design

Provides Up To 2 Amps Continuous Output Power

APPLACATIONS

Wireless Sensors, Transmitters, Base Stations

Process Controls, Instrumentation

Meters, Controllers, Valves, Pumps

Telemetry & SCADA Equipment

DESCRIPTION

Din-rail design provides up to 3 Amps of power for low voltage, low power sensors, controls and instrumentation. These units efficiently regulate and condition 6 or 12 volt battery power into a lower or higher voltage.

General Specifications

Enclosure: Din-rail (35mm) Plastic

Wire Connection: 22 –12 AWG

Temperature Range: -40 to 175ºF (±-40 to 80ºC)

Dimension: 1.77 x 3.23 x 3.54" (45 x 82 x 90 mm)

Model Number	PCM4-SD-[*]	PCM4-12	PCM4-SU-[**]
Converter Type / Isolation	Step-down / none	Buck-Boost / none	Step-up / none
Voltage Input Range	6 to 35 Vdc	3 to 15 Vdc	6 to 22 Vdc
Voltage Output (by model)	3.6, 5, 9 Vdc	12 vdc	15, 18, 24 vdc
Maximum Output Current	3 A	3 A	3 A
Switching Frequency	150 KHz	150 KHz	50 KHz
Voltage/Load Regulation	± 0.5% / ± 0.5%	± 2.5% / ± 0.5%	± 0.5% / ± 0.5%
Max Efficiency	92%	95%	92%
Output Ripple Max	70mv	40mv	70mv

*Insert 3.6, 5, or 9 in model number for desired output voltage (Example: PCM4-SD-3.6)
**Insert 15, 18 or 24 in model number for desired output voltage (Example: PCM4-SU-24)

Note: Continued product improvements make specifications subject to change without notice.
Check www.imagineinstruments.com for the latest product information and updates

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