

TECHNICAL DATA
DATA SHEET 1111, REV. -**DC-DC Converters**
Ultra-Wide Input (4:1), Non-Isolated, Regulated, Single Output**FEATURES:**

- Case Temperature Rise: Max. 20°C, Typ. 15°C
- Cooling Method: Free-Air Cooling
- Operating Temp.: -20°C ~ +70°C
- Storage Temp.: -40°C ~ +85°C
- Humidity: ≤ 95%
- Soldering Temp. (1): 300°C
- Case Material: Non-Flammable Material (UL94-V0)
- Mean Time Before Failure: > 800,000 hours (Operating Temp. 25°C)

P-3W Single Output Series Input Characteristics

Part Number	Nominal Input Voltage	Input Voltage Range	Maximum Input Voltage*
P2405HD3-K	24Vdc	9~36 Vdc	40 Vdc

* Voltage above this value may cause permanent damage to the device.

P-3W Single Output Series Output Characteristics

Parameter	MIN	TYP	MAX	Units
Output Power			3	W
Output Current			600	mA
Power Consumption		4	5	mA
Line Regulation			± 0.3	%
Load Regulation			0.5	%
Output Voltage Accuracy			3	%
Efficiency at 100% Load	75	85	90	%
Temperature Coefficient			0.03	%/°C
Ripple and Noise		100	150	mVp-p
Switching Frequency		200		kHz

1. Soldering for 10 seconds at 1.5mm away from the edge.
2. All specifications at TA=25°C, 75% of the humidity, Nominal input voltage, full output load unless otherwise specified.

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Mechanical Dimensions & Pin Configuration

P2405HD3-K PACKAGE

