

**V6 SERIES****3 WATT****V6-S/D3****Single / Dual Output**

- 1500 Vdc Isolation
- Wide 2:1 Input Range
- 24 Pin DIL Package
- Regulated
- Continuous Short Circuit Protection
- Nickel-Coated Copper Metal
- MTBF > 1.1 MHours



Model Number	Input Vdc	Output Vdc	Output Current (mA)	Efficiency @FL (%)
V6-1205S3	9-18	5	600	76
V6-1209S3		9	334	77
V6-1212S3		12	250	79
V6-1215S3		15	200	79
V6-1224S3		24	125	79
V6-1205D3	9-18	±5	±300	77
V6-1209D3		±9	±167	78
V6-1212D3		±12	±125	78
V6-1215D3		±15	±100	78
V6-1224D3		±24	±63	78
V6-2405S3	18-36	5	600	80
V6-2409S3		9	334	80
V6-2412S3		12	250	82
V6-2415S3		15	200	82
V6-2424S3		24	125	80
V6-2405D3	18-36	±5	±300	78
V6-2409D3		±9	±167	79
V6-2412D3		±12	±125	80
V6-2415D3		±15	±100	80
V6-2424D3		±24	±63	80
V6-4805S3	36-72	5	600	77
V6-4809S3		9	334	78
V6-4812S3		12	250	80
V6-4815S3		15	200	80
V6-4824S3		24	125	80
V6-4805D3	36-72	±5	±300	78
V6-4809D3		±9	±167	79
V6-4812D3		±12	±125	80
V6-4815D3		±15	±100	80
V6-4824D3		±24	±63	80

- Suffix " P " Plastic Instead of Metal case Package.
- Input Voltage range is from 4.5 V to 72 V and Output Voltage is from 3.3 V to 24 V.

**Input Specifications:**

Voltage Range	12Vdc, 9-18 Vdc.,	24Vdc, 18-36 Vdc, 48Vdc, 36-72 Vdc
Filter	π (Pi) Network	

**Isolation Specification:**

Rated Voltage	1500 Vdc, Standard
Resistance	1000M Ω Min.
Capacitance	390 pF, Typ.

**Output Specifications:**

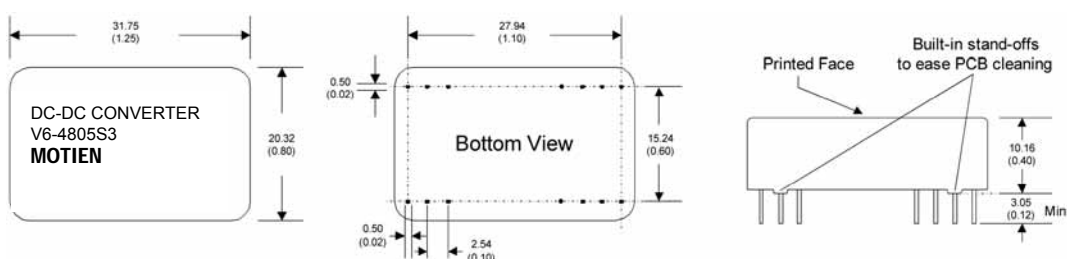
Voltage Accuracy:	±1%, Max.
Voltage Balance (Dual Outputs)	±1%
Ripple and Noise (at 20 MHz BW)	(±) 60mVp-p, Max.
Short Circuit Protection	Continuous
Short Circuit Restart	Automatic
Line Voltage Regulation	±0.5%, Max.
Load Voltage Regulation	±0.5%, Max.
Temperature Coefficient	±0.02% /

**General Specifications:**

Efficiency	76% ~ 82%
Switching Frequency	260KHz, Typ.

**Environmental Specification:**

Operating Temperature (Ambient)	-40 ~ +85
Case Temperature	100 Max.
Storage Temperature	-40 ~ +125
Derating	None Required
Humidity	Up to 90%, Non-condensing
Cooling	Free-air Convection

**MECHANICAL DIMENSIONS & PIN CONNECTIONS****24 Pin DIL package**

Pin #	STANDARD
1	+V Input
2	-V Input
3	N.C
9	Omitted
10	-V Output
11	+V Output
12	-V Input
13	-V Input
14	+V Output
15	-V Output
16	Omitted
22	N.C
23	N.C
24	+V Input

- Notes: 1. All dimensions are typical in millimeters (inches). Tolerance x.xx = ± 0.25 (± 0.01)  
 2. Plastic Case Dimensions are 31.75 \* 20.32 \* 10.16 mm.

**V6 SERIES****3 WATT****V6-S/D3H****Single / Dual Output**

- 3500 Vdc Isolation
- Wide 2:1 Input Range
- 24 Pin DIL Package
- Regulated
- Continuous Short Circuit Protection
- Nickel-Coated Copper Metal
- MTBF > 1.1 MHours



Model Number	Input Vdc	Output Vdc	Output Current (mA)	Efficiency @FL (%)
V6-1205S3H	9-18	5	600	76
V6-1209S3H		9	334	77
V6-1212S3H		12	250	79
V6-1215S3H		15	200	79
V6-1224S3H		24	125	79
V6-1205D3H	9-18	±5	±300	77
V6-1209D3H		±9	±167	78
V6-1212D3H		±12	±125	78
V6-1215D3H		±15	±100	78
V6-1224D3H		±24	±63	78
V6-2405S3H	18-36	5	600	80
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V6-2424S3H		24	125	80
V6-2405D3H	18-36	±5	±300	78
V6-2409D3H		±9	±167	79
V6-2412D3H		±12	±125	80
V6-2415D3H		±15	±100	80
V6-2424D3H		±24	±63	80
V6-4805S3H	36-72	5	600	77
V6-4809S3H		9	334	78
V6-4812S3H		12	250	80
V6-4815S3H		15	200	80
V6-4824S3H		24	125	80
V6-4805D3H	36-72	±5	±300	78
V6-4809D3H		±9	±167	79
V6-4812D3H		±12	±125	80
V6-4815D3H		±15	±100	80
V6-4824D3H		±24	±63	80

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Capacitance	390 pF, Typ.

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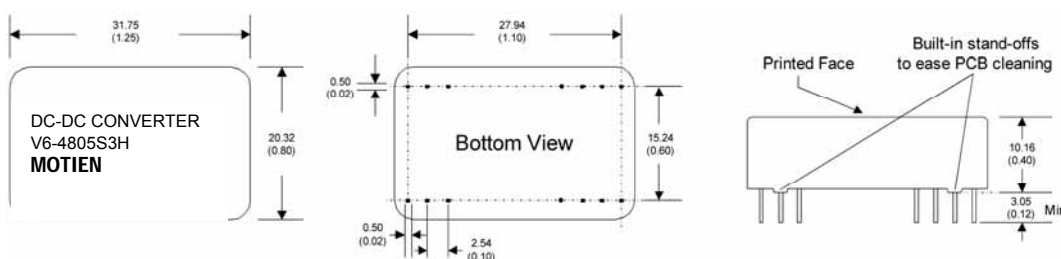
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Short Circuit Protection	Continuous
Short Circuit Restart	Automatic
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Load Voltage Regulation	±0.5%, Max.
Temperature Coefficient	±0.02% /

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Storage Temperature	-40 ~ +125
Derating	None Required
Humidity	Up to 90%, Non-condensing
Cooling	Free-air Convection

**MECHANICAL DIMENSIONS & PIN CONNECTIONS****24 Pin DIL package**

Pin #	3.5 KVdc	
	Single	Dual
1	Omitted	Omitted
2	-V Input	-V Input
3	-V Input	-V Input
9	Omitted	Common
10	Omitted	Omitted
11	N.C.	-V Output
12	Omitted	Omitted
13	Omitted	Omitted
14	+V Output	+V Output
15	Omitted	Omitted
16	-V Output	Common
22	+V Input	+V Input
23	+V Input	+V Input
24	Omitted	Omitted

- Notes: 1. All dimensions are typical in millimeters (inches). Tolerance x.xx = ± 0.25 (± 0.01)  
 2. Plastic Case Dimensions are 31.75 \* 20.32 \* 10.16 mm.