

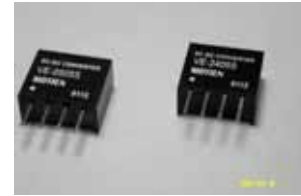
VE SERIES

2 WATT

VE-S(H)

Single Output

- 1000 Vdc Isolation
- Up to 3000 Vdc Isolation
- 4 Pin SIL Package
- Low Ripple and Noise
- Unregulated
- Non-conductive Black Plastic Case
- MTBF > 2 MHours



Model Number	Input Vdc	Output Vdc	Output Current (mA)	Efficiency @FL (%)
VE-0505S		5	400	77
VE-0509S		9	222	82
VE-0512S	5	12	167	84
VE-0515S		15	133	84
VE-0524S		24	83	84
VE-1205S		5	400	80
VE-1209S		9	222	85
VE-1212S	12	12	167	85
VE-1215S		15	133	85
VE-1224S		24	83	83
VE-2405S		5	400	80
VE-2409S		9	222	86
VE-2412S	24	12	167	86
VE-2415S		15	133	86
VE-2424S		24	83	88

Model Number	Input Vdc	Output Vdc	Output Current (mA)	Efficiency @FL (%)
VE-0505SH		5	400	77
VE-0509SH		9	222	82
VE-0512SH	5	12	167	84
VE-0515SH		15	133	84
VE-0524SH		24	83	84
VE-1205SH		5	400	80
VE-1209SH		9	222	85
VE-1212SH	12	12	167	85
VE-1215SH		15	133	85
VE-1224SH		24	83	83
VE-2405SH		5	400	80
VE-2409SH		9	222	86
VE-2412SH	24	12	167	86
VE-2415SH		15	133	86
VE-2424SH		24	83	88

1. Suffix "H" means 3000 Vdc Isolation.
2. Input Voltage is from 5 V to 48 V and Output Voltage is from 3.3 V to 24 V.

Input Specifications:

Voltage Range 10%
Filter Capacitors

Isolation Specification:

Rated Voltage 1000 Vdc, Standard
3000 Vdc, Suffix "H"
Resistance 1000M Ω, Min.
Capacitance 60 pF, Typ.

Output Specifications:

Voltage Accuracy: ±3%, Max.
Ripple and Noise (at 20 MHz BW) 120mVp-p, Max.
Short Circuit Protection Momentary
Line Voltage Regulation ±1.2% / 1.0% of Vin
Load Voltage Regulation ±8%, load = 20~100%
Temperature Coefficient ±0.02% /

General Specifications:

Efficiency 77% ~ 88%
Switching Frequency 125 KHz, Typ.

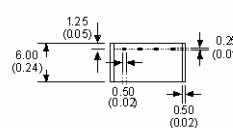
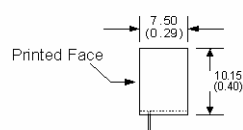
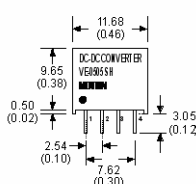
Environmental Specification:

Operating Temperature (Ambient) -40 ~ +85
Case Temperature 95 Max.
Storage Temperature -40 ~ +125
Derating None Required
Humidity Up to 90%, Non-condensing
Cooling Free-air Convection
Capacitive Load (Vout) 470µF, Max.

Note: For Vin 48V series, pls. add a capacitor in the input. Cx = 4.7 µF/100V ~ 47 µF/100V.

MECHANICAL DIMENSIONS & PIN CONNECTIONS

4 SIL package



Pin #	STANDARD
1	-V Input
2	+V Input
3	-V Output
4	+V Output

Notes: All dimensions are typical in millimeters (inches). Tolerance x.xx = ± 0.25 (± 0.01)