

DC/DC Converters – SE-S(H) series

2 WATT
Single Output

FEATURES

- 4 Pin SIL Package
- 1000 VDC Isolation
- Up to 3000 VDC Isolation
- Efficiency up to 84 %
- Extended Operating Temperature Range - 40°C ~ 85°C
- Non-Conductive Black Plastic Case



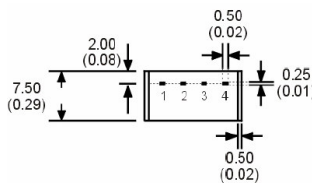
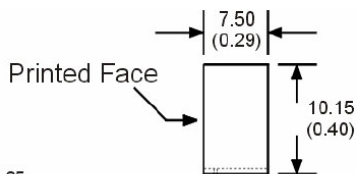
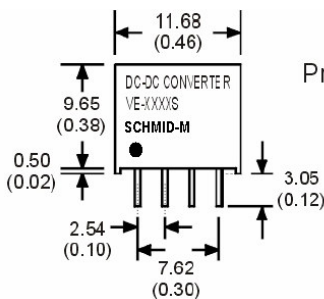
Model Number	Input Vdc	Output Vdc	Output Current (mA)	Efficiency @FL (%)
SE-053R3S	5	3.3	400	71
SE-0505S		5	400	77
SE-057R2S		7.2	278	77
SE-0509S		9	222	80
SE-0512S		12	167	82
SE-0515S		15	133	82
SE-0518S		18	111	82
SE-0524S		24	83	82
SE-123R3S	12	3.3	400	72
SE-1205S		5	400	78
SE-127R2S		7.2	278	80
SE-1209S		9	222	82
SE-1212S		12	167	84
SE-1215S		15	133	84
SE-1218S		18	111	84
SE-1224S		24	83	82
SE-153R3S	15	3.3	400	73
SE-1505S		5	400	78
SE-157R2S		7.2	278	80
SE-1509S		9	222	82
SE-1512S		12	167	84
SE-1515S		15	133	84
SE-1518S		18	111	84
SE-1524S		24	83	82
SE-243R3S	24	3.3	400	74
SE-2405S		5	400	80
SE-247R2S		7.2	278	80
SE-2409S		9	222	84
SE-2412S		12	167	84
SE-2415S		15	133	84
SE-2418S		18	111	84
SE-2424S		24	83	84
SE-483R3S	48	3.3	400	72
SE-4805S		5	400	78
SE-487R2S		7.2	278	80
SE-4809S		9	222	82
SE-4812S		12	167	80
SE-4815S		15	133	82
SE-4818S		18	111	82
SE-4824S		24	83	82

Input specifications:	
Input Reflected Ripple Current	20mA p-p, typ
Filter:	Capacitors
Voltage Range	±10%
Output specifications:	
Voltage accuracy	±3%
Ripple & noise (at 20MHz BW)	150mV pk-pk
Line regulation	±1.2%/Per 1% Vin change
Load regulation	±10%, load=20~100%
	3.3V models ±20%
Temperature coefficient	±0.02%/°C
General Specifications:	
Efficiency	71% ~ 84%
Switching Frequency	70 kHz, variable
I/O isolation voltage (3 sec)	1000~3000Vdc
Safety standard	IEC/EN 60950-1
EMC characteristics	
Radiated Emissions	EN55022 CLASS B
	FCC 47 CFR Part 15 Subp.B CLASS A
ESD	IEC61000-4-2 Perf. Criteria B
RS	IEC61000-4-3 Perf. Criteria A
Environmental specifications:	
Operating Temperature	-40°C ~ +85°C
Case temperature	100°C Max.
Storage Temperature	-40°C ~ +125°C
Cooling	Nature Convection

Suffix „H“ means 3000Vdc isolation

MECHANICAL DIMENSIONS & PIN CONNECTIONS

4-SIL Package



PIN #	Single
1	-Vin
2	+Vin
3	-Vout
4	+Vout

- Notes : All dimensions are typical in millimeters (inches).
1. Pin diameter: 0.5±0.05 (0.02±0.002)
 2. Pin pitch tolerance: ±0.35 (±0.014)
 3. Case Tolerance: ±0.5 (±0.02)