

# DC/DC Converters – SK-S/D4 series

4 WATT

Single / Dual Output

## FEATURES

- Wide 4:1 Input Range
- Full SMD Technology
- 1500 Vdc Isolation, Up to 3500 VDC
- Operating Temperature Range - 40°C ~ 85°C
- Continuous Short Circuit Protection
- Efficiency up to 82 %
- Metal Case Standard, Optional Plastic Case
- EMI Complies With EN55022 Class A



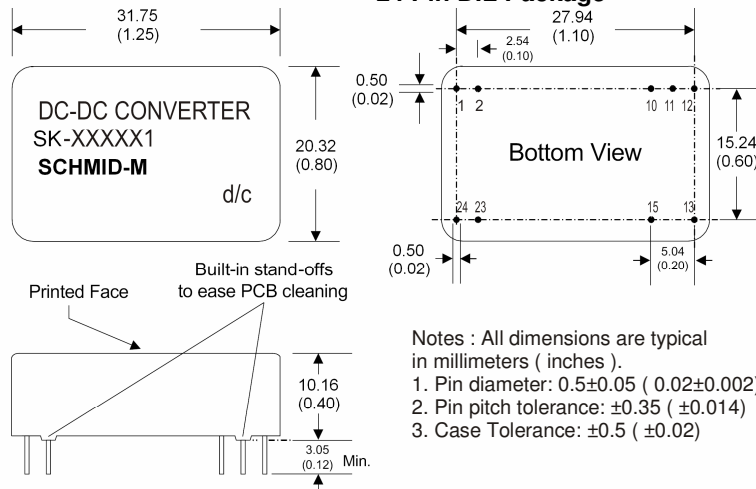
Model Number	Input Vdc	Output Vdc	Output Current (mA)	Efficiency @FL (%)
SK-243R3S4	9-36	3.3	1200	75
SK-2405S4		5	800	79
SK-247R2S4		7.2	555	79
SK-2409S4		9	444	83
SK-2412S4		12	333	82
SK-2415S4		15	266	82
SK-2418S4		18	222	82
SK-2424S4		24	166	82
SK-243R3D4	9-36	±3.3	±606	75
SK-2405D4		±5	±400	79
SK-247R2D4		±7.2	±277	79
SK-2409D4		±9	±222	80
SK-2412D4		±12	±166	82
SK-2415D4		±15	±133	80
SK-2418D4		±18	±111	80
SK-2424D4		±24	±83	80
SK-483R3S4	18-72	3.3	1200	76
SK-4805S4		5	800	79
SK-487R2S4		7.2	555	82
SK-4809S4		9	444	83
SK-4812S4		12	333	80
SK-4815S4		15	266	84
SK-4818S4		18	222	84
SK-4824S4		24	166	82
SK-483R3D4	18-72	±3.3	±606	78
SK-4805D4		±5	±400	79
SK-487R2D4		±7.2	±277	79
SK-4809D4		±9	±222	80
SK-4812D4		±12	±166	82
SK-4815D4		±15	±133	80
SK-4818D4		±18	±111	81
SK-4824D4		±24	±83	80

Suffix „P“ means Plastic Case, „H“ means 3500Vdc Isolation

<b>Input specifications:</b>	
Input Reflected Ripple Current Filter:	35mA pk-pk, typ Pi Type
<b>Output specifications:</b>	
Voltage accuracy	±1%
Ripple & noise (at 20MHz BW)	60mV pk-pk
Short Circuit Protection	Indefinite
Line regulation	±0.5%
Load regulation	±0.5%
	(±)3.3V models
Temperature coefficient	±0.02%/°C
<b>General Specifications:</b>	
Efficiency	75% ~ 80%
Switching Frequency	266 kHz, typ
I/O isolation voltage (3 sec)	1500~3500Vdc
	Metal Case
Safety standard	1000Vdc IEC 60950-1:2001
<b>Environmental specifications:</b>	
Operating Temperature	-40°C ~ +85°C
Case temperature	100°C Max.
Storage Temperature	-40°C ~ +125°C
Cooling	Nature Convection
Humidity	95% rel H

## PIN CONNECTIONS

PIN #	Single	Dual
2	-Vin	-Vin
3	-Vin	-Vin
9	N.P.	Common
11	N.C.	-Vout
14	+Vout	+Vout
16	-Vout	Common
22	+Vin	+Vin
23	+Vin	+Vin



# DC/DC Converters – SK-S/D6 series

6 WATT

Single / Dual Output

## FEATURES

- Wide 4:1 Input Range
- Full SMD Technology
- 1500 Vdc Isolation, Up to 3500 VDC
- Operating Temperature Range - 40°C ~ 85°C
- Continuous Short Circuit Protection
- Efficiency up to 84 %
- Metal Case Standard, Optional Plastic Case
- EMI Complies With EN55022 Class A



Model Number	Input Vdc	Output Vdc	Output Current (mA)	Efficiency @FL (%)
SK-243R3S6	9-36	3.3	1400	80
SK-2405S6		5	1200	80
SK-247R2S6		7.2	833	81
SK-2409S6		9	666	83
SK-2412S6		12	500	82
SK-2415S6		15	400	82
SK-2418S6		18	333	80
SK-2424S6		24	250	76
SK-243R3D6	9-36	±3.3	909	80
SK-2405D6		±5	600	80
SK-247R2D6		±7.2	416	82
SK-2409D6		±9	333	83
SK-2412D6		±12	250	84
SK-2415D6		±15	200	83
SK-2418D6		±18	166	83
SK-2424D6		±24	125	77
SK-483R3S6	18-72	3.3	1400	79
SK-4805S6		5	1200	80
SK-487R2S6		7.2	833	81
SK-4809S6		9	666	82
SK-4812S6		12	500	84
SK-4815S6		15	400	80
SK-4818S6		18	333	81
SK-4824S6		24	250	80
SK-483R3D6	18-72	±3.3	909	80
SK-4805D6		±5	600	81
SK-487R2D6		±7.2	416	83
SK-4809D6		±9	333	82
SK-4812D6		±12	250	82
SK-4815D6		±15	200	80
SK-4818D6		±18	166	76
SK-4824D6		±24	125	80

Suffix „P“ means Plastic Case, „H“ means 3500Vdc Isolation

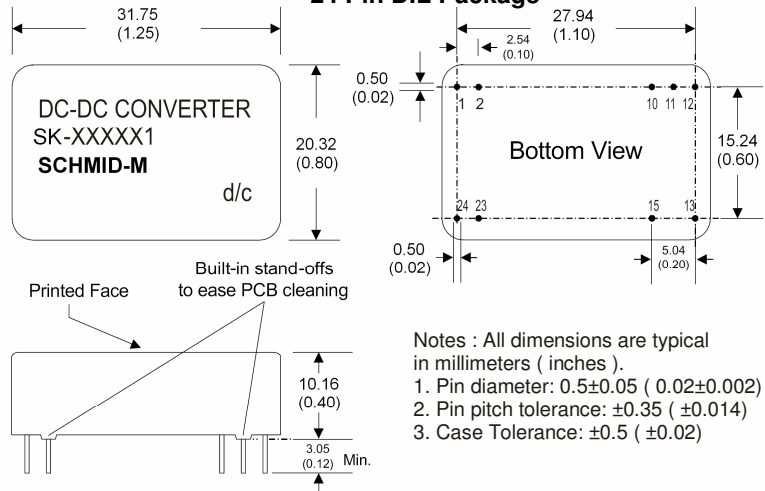
<b>Input specifications:</b>	
Input Reflected Ripple Current Filter:	35mA pk-pk, typ Pi Type
<b>Output specifications:</b>	
Voltage accuracy	±1%
Ripple & noise (at 20MHz BW)	60mV pk-pk
Short Circuit Protection	Indefinite
Line regulation	±0.5%
Load regulation	±0.5%
	(±)3.3V models
Temperature coefficient	±1.5%
	±0.02%/°C
<b>General Specifications:</b>	
Efficiency	75% ~ 80%
Switching Frequency	266 kHz, typ
I/O isolation voltage (3 sec)	1500~3500Vdc
	Metal Case
Safety standard	1000Vdc IEC 60950-1:2001
<b>Environmental specifications:</b>	
Operating Temperature	-40°C ~ +85°C
Case temperature	100°C Max.
Storage Temperature	-40°C ~ +125°C
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3	-Vin	-Vin
9	N.P.	Common
11	N.C.	-Vout
14	+Vout	+Vout
16	-Vout	Common
22	+Vin	+Vin
23	+Vin	+Vin

## MECHANICAL DIMENSIONS

### 24 Pin DIL Package



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)