

DC/DC Converters – SQ-S/D5 series

5 WATT

Single / Dual Output

FEATURES

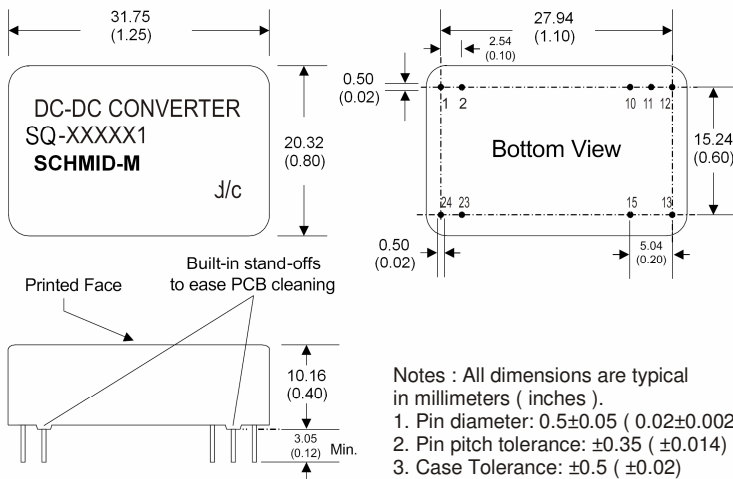
- Wide 4:1 Input Range
- Full SMD Technology
- 1500 Vdc Isolation, Up to 3500 VDC
- Operating Temperature Range - 40°C ~ 85°C
- Continuous Short Circuit Protection
- Efficiency up to 82 %
- Metal Case Standard, optional Plastic Case

Model Number	Input Vdc	Output Vdc	Output Current (mA)	Efficiency @FL (%)
SQ-243R3S5	9-36	3.3	1300	75
SQ-2405S5		5	1000	80
SQ-2409S5		9	555	81
SQ-2412S5		12	416	81
SQ-2415S5		15	333	82
SQ-2424S5		24	208	80
SQ-243R3D5		±3.3	±757	74
SQ-2405D5		±5	±500	80
SQ-2409D5		±9	±277	81
SQ-2412D5		±12	±208	81
SQ-2415D5		±15	±166	82
SQ-2424D5		±24	±104	80
SQ-483R3S5	18-72	3.3	1300	75
SQ-4805S5		5	1000	80
SQ-4809S5		9	555	81
SQ-4812S5		12	416	81
SQ-4815S5		15	333	82
SQ-4824S5		24	208	80
SQ-483R3D5		±3.3	±757	74
SQ-4805D5		±5	±500	80
SQ-4809D5		±9	±277	81
SQ-4812D5		±12	±208	81
SQ-4815D5		±15	±166	82
SQ-4824D5		±24	±104	80

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

Input specifications:	
Input Reflected Ripple Current Filter:	35mA pk-pk Pi Type
Output specifications:	
Voltage accuracy	±1%
Ripple & noise (at 20MHz BW)	60mV pk-pk
Short Circuit Protection	Indefinite
Line regulation	±0.5%
Load regulation	±0.5%
Temperature coefficient	out (±)3.3V models ±1.5% ±0.02%/°C
General Specifications:	
Switching Frequency	266 kHz, typ
I/O isolation voltage (3 sec)	1500~3500Vdc
	Metal Case 1000Vdc
Safety standard	IEC 60950-1:2001
Environmental specifications:	
Operating Temperature	-40°C ~ +85°C
Case temperature	100°C Max.
Storage Temperature	-40°C ~ +125°C
Cooling	Nature Convection
Humidity	95% rel H

MECHANICAL DIMENSIONS & PIN CONNECTIONS 24 Pin DIL Package



PIN #	Single	Dual	Single-H	Dual-H
1	+Vin	+Vin	N.P.	N.P.
2	N.C.	-Vout	-Vin	-Vin
3	N.C.	Common	-Vin	-Vin
9	N.P.	N.P.	N.C.	Common
10	-Vout	Common	N.P.	N.P.
11	+Vout	+Vout	N.C.	-Vout
12	-Vin	-Vin	N.P.	N.P.
13	-Vin	-Vin	N.P.	N.P.
14	+Vout	+Vout	+Vout	+Vout
15	-Vout	Common	N.P.	N.P.
16	N.P.	N.P.	-Vout	Common
22	N.C.	Common	+Vin	+Vin
23	N.C.	-Vout	+Vin	+Vin
24	+Vin	+Vin	N.P.	N.P.