

DC/DC Converters – SVD series

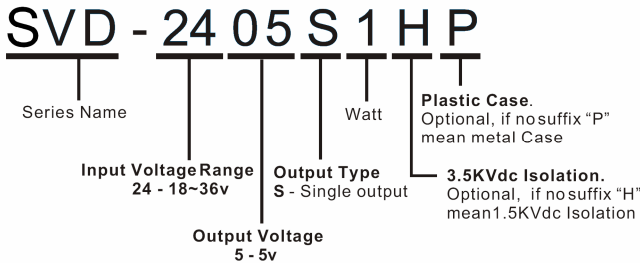
1.5 ~ 5 WATT
Regulated Single Output

FEATURES

- Wide 2:1 Input Range
- Full SMD Technology
- 1500 Vdc Isolation, Up to 3500Vdc
- Operating Temperature Range - 40°C ~ 85°C
- Continuous Short Circuit Protection
- Efficiency up to 80 %
- Metal Case Standard, optional Plastic Case – suffix „P“



Model Number	Input Vdc	Output Vdc	Output Current (mA)	Efficiency @FL (%)
SVD-2405S1	18-36	5	300	74
SVD-2405S2			400	78
SVD-2405S3			600	78
SVD-2405S4			800	80
SVD-2405S5			1000	80



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, max
Short Circuit Protection	Indefinite
Line regulation	±0.5%
Load regulation	±0.5%
Temperature coefficient	±0.02%/°C
General Specifications:	
Switching Frequency	266 kHz, typ
I/O isolation voltage (3 sec)	1500-3500Vd
Metal Case I/O	1000Vdc
Safety standard	IEC 60950-1
Safety Approvals	UL, cUL
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
EMC Characteristics	
Radiated Emissions	FCC 47 CFRPart 15 Subpart A Class A

MECHANICAL DIMENSIONS & PIN CONNECTIONS

24 Pin DIL Package

