

Stand: 29/09

Wide input range 1:2  
Case Style: SIP 7  
PWM - regulated

## AUTOMOTIVE DC/DC Converters base insulation

2 Watt  
Series: S7W2

### Electrical specifications:

to various EN/UL/CSA-regulations for those converters voltage  
on either input/output-voltage higher than 60VDC less than 120VDC

Input voltage: wide 1:2  
Output voltage accuracy: +/- 2%  
Line regulation: +/- 0,2%  
Load regulation: +/- 1%  
Ambient temperature: -55°C to +85°C  
Operating temperature: max. +105°C

Efficiency: min. 65%  
Output Ripple & Noise: typ. 150mVp-p  
Short circuit protection: fully protected  
Insulation test voltage: 1500V DC

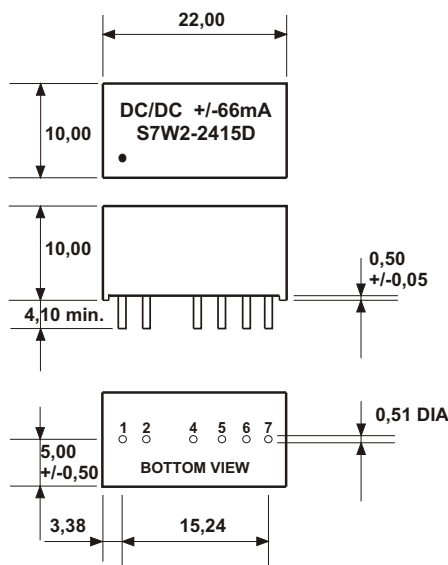
Optional:  
Part-Nr. /H  
Part-Nr. /J

Alternate pin configuration  
External -IN & -OUT/COM  
connection allowed

**CAUTION: NO INPUT POLARITY CHANGE ALLOWED!**

Part - No. Single	Input Voltage	Output Voltage	Output current	Part - No. Dual	Input Voltage	Output Voltage	Output current
S7W2-1205 S7W2-1212 S7W2-1215 S7W2-1224	9 - 18V	5V 12V 15V 24V	400mA 166mA 133mA 83mA	S7W2-1205D S7W2-1212D S7W2-1215D S7W2-1224D	9 - 18V	+/- 5V +/-12V +/-15V +/-24V	+/-200mA +/- 83mA +/- 66mA +/- 42mA
S7W2-2405 S7W2-2412 S7W2-2415 S7W2-2424	16 - 36V	5V 12V 15V 24V	400mA 166mA 133mA 83mA	S7W2-2405D S7W2-2412D S7W2-2415D S7W2-2424D	16 - 36V	+/- 5V +/-12V +/-15V +/-24V	+/-200mA +/- 83mA +/- 66mA +/- 42mA
S7W2-4805 S7W2-4812 S7W2-4815 S7W2-4824	36 - 72V	5V 12V 15V 24V	400mA 166mA 133mA 83mA	S7W2-4805D S7W2-4812D S7W2-4815D S7W2-4824D	36 - 72V	+/- 5V +/-12V +/-15V +/-24V	+/-200mA +/- 83mA +/- 66mA +/- 42mA

### Any other output voltages available



PIN CONNECTION					
PIN	SINGLE	SINGLE A*	SINGLE /H*	DUAL	DUAL /H*
1	VCC	VCC	VCC	VCC	VCC
2	GND	GND	GND	GND	GND
3	NP	NP	NP	NP	NP
4	NC	-Vout	NP	-Vout	NP
5	-Vout	NP	-Vout	COM	-Vout
6	+Vout	+Vout	NP	+Vout	COM
7	NP	NP	+Vout	NP	+Vout

\* For other pinning add "A" or "/H" to the end of partnumber for example: S7W2-2405A, S7W2-2415D

ALL DIMENSIONS IN MM  
MILLIMETERS +/- 0,25mm  
All pins on a 2,54mm pitch  
Note: NP = No pin; NC = No connection;  
Dot denotes pin 1

Output capacitor is a must  
Input capacitor 4,7µF - 10µF is a must

Specification may be changed without notice  
please contact office for verification

We can offer EMC - Filter  
according to EN55011/22 Class B.