

Wide input range 1:2
Case Style: SIP 7

AUTOMOTIVE DC/DC Converters PWM - regulated

2 Watt
Series: S7W2

Electrical specifications:

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

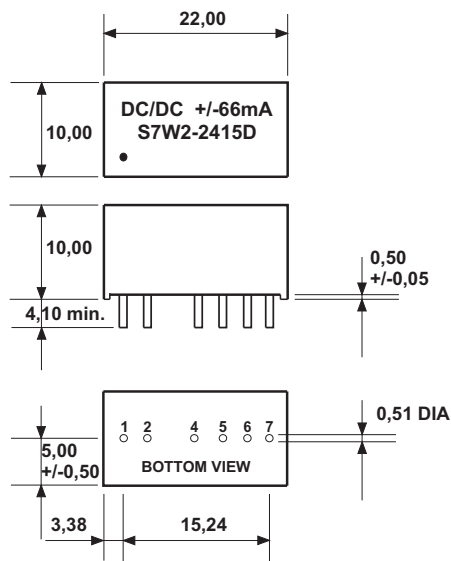
Optional:
Part-Nr. /H
Part-Nr. /5

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.

Wide input range 1:2
Case Style: SIP 7

AUTOMOTIVE DC/DC Converters PWM - regulated

1 - 1,6 Watt
Series: S7W2

Electrical specifications:

Input voltage: wide 1:2
Output voltage accuracy: +/- 2%
Line Vin/Vout: +/- 0,2%
Load regulation: +/- 1% for regulated
Efficiency: approx. 70%
Output Ripple & Noise: typ. 150mVp-p

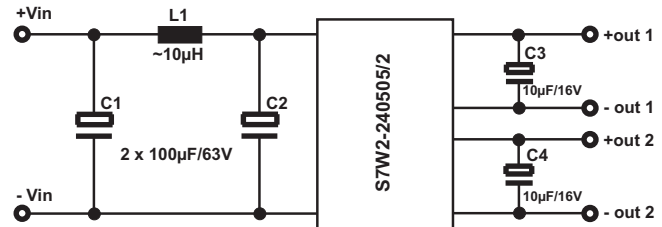
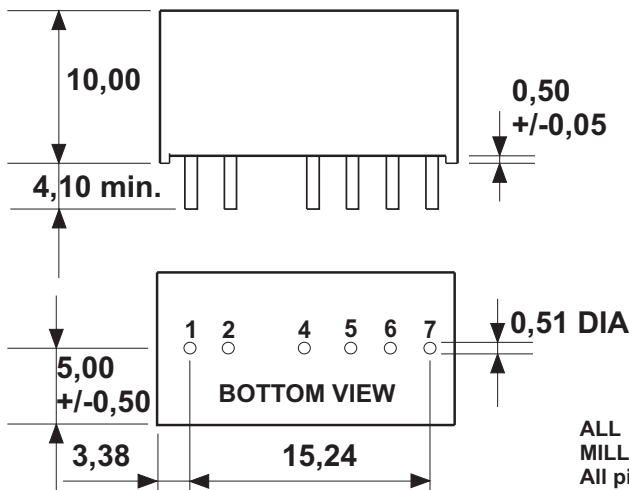
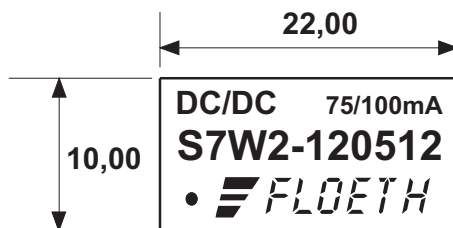
Short circuit protection: continuous
Ambient temperature: -55°C to +85°C
Operating temperature max.: +105°C
Insulation test voltage: 1500V DC
Optional:
Part No./2:

separate Dual output
I/O 1500V DC
O/O 1000V DC

CAUTION NO INPUT POLARITY CHANGE ALLOWED!

Part - No. Dual	Input Voltage	Output 1 Voltage	Output 1 current	Output 2 Voltage	Output 2 current
** S7W2-120512	9 - 18V	5V regulated	75mA	12V unregulated	100mA
S7W2-240505	18 - 36V	5V regulated	200mA	5V unregulated	50mA

Any other output voltages available



S7W2-240505 output 1 ground load: 70mA is a must

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

Output capacitor 5V / 22µF/16V Tantal // 12V / 10µF/25V Tantal is a must

PIN CONNECTION		
PIN	DUAL	* DUAL /2
1	VCC	VCC
2	GND	GND
3	NP	NP
4	+12V	- OUT2
5	COM	+OUT2
6	+5V	- OUT1
7		+OUT1

* For other pinning:
Add "/2" to the end of Partnumber
For example S7W2-120512/2 1,6W

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