

Wide input range

**AUTOMOTIVE
 DC/DC Converters
 Step Down**

**10 Watt
 Series: FSD**

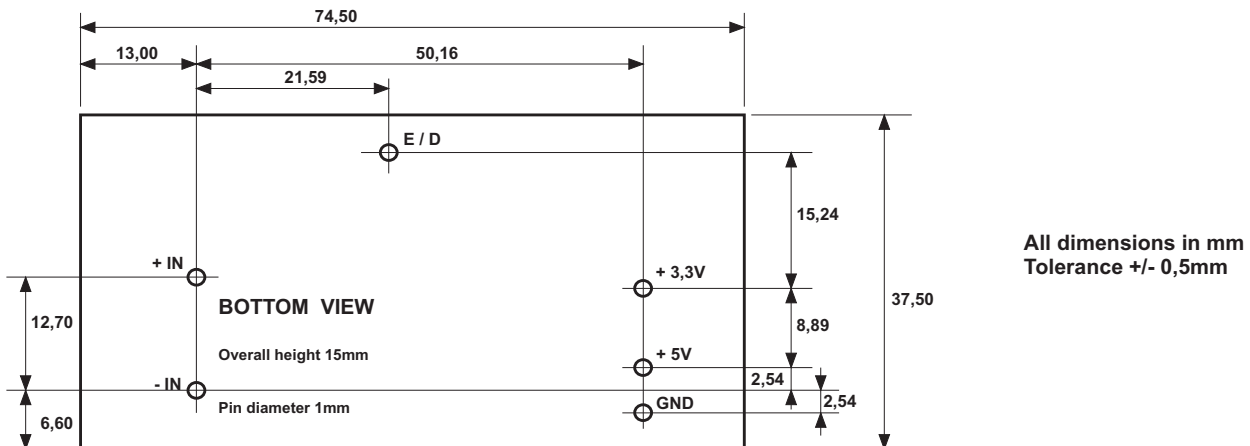
Electrical specifications:

Input voltage:	5,5 - 24V	Insulation voltage:	none
Output voltage accuracy:	5V +/- 2,5% ; 3,3V +/-3,5%	Short circuit protection:	continuous
Line regulation:	+/- 1%	Output ripple & noise:	typ. 50mVp-p
Load regulation:	+/- 3%	Low voltage lockout	
Efficiency:	60%		
Ambient temperature:	-40°C to +85°C	E/D Pin = Enable / Disable pin	
Operating temperature:	max. 105°C	on : E/D-pin open 4,6 - 5,5V	
		off : E/D-pin close <= 0,6V area undefined 0,6 till 4,6V	

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

Part-No.	Input voltage	NO ISOLATION	Output voltage	Output current
FSD-120503,3	12V (5,5 - 24)		5,0V	1,0 A
		3,3V	1,5 A	

Any other output voltages available



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

AUTOMOTIVE DC/DC Converters Step Down

**12 Watt
 Series: FSD**

Electrical specifications:

Input voltage: 5,5 - 24V
 Output voltage accuracy: +/- 3%
 Line regulation: +/- 0,5%
 Load regulation: +/- 1%
 Efficiency: 72%

Insulation voltage: none
 Short circuit protection: continuous
 Output ripple & noise: typ. 50mVp-p
 Low voltage lockout

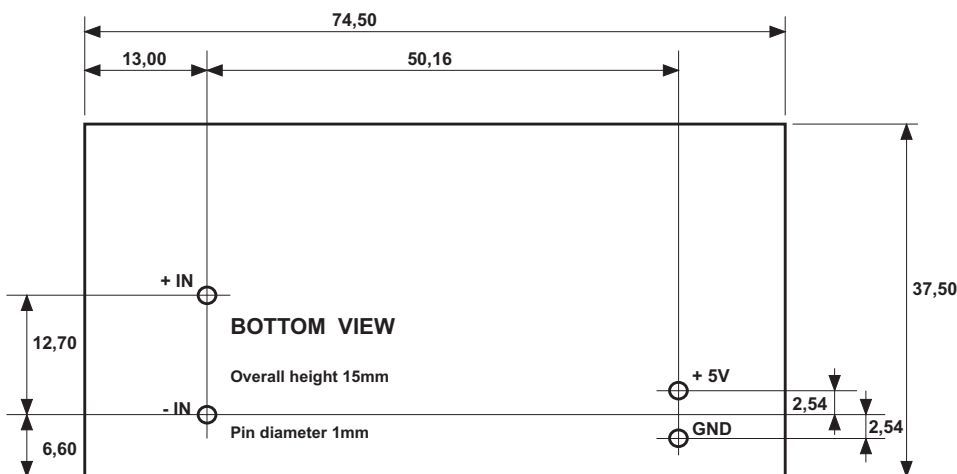
9,0 ... 24V: Ambient temperature: -40°C to +85°C
 Operating temperature: max. 105°C

5,5 ... 9V: Ambient temperature: -40°C to +60°C

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

Part-No.	Input voltage	ISOLATION	Output voltage	Output current
FSD-1205	12V (5,5 - 24)	NO	5V	2,5A

Any other output voltages available



ALL DIMENSIONS IN MM
 Tolerance +/- 0,5mm

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