



Regulated  
 Case Style: SIP 7

### INDUSTRIAL DC/DC Converters

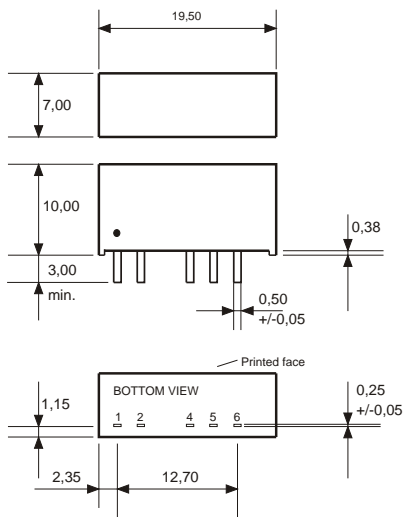
1 Watt  
 Series: FS7R

Electrical specifications:

Input voltage accuracy:	- 5% / +10%	Output Ripple & Noise:	typ. 50mVpp
Output voltage accuracy:	+/- 5%	Short circuit protection:	continuous
Line regulation of Vin:	+/- 0,5%	Short circuit input-current:	100mA
Load regulation:	+/- 1%	Ambient temperature:	-25°C to 71°C
Efficiency:	60% min.	Switching frequency:	50kHz
Isolation voltage:	min. 2000V DC		
		Optional: Part - Nr. / 5	0,5W output power
		Optional: Part - Nr. / 7	0,75W output power
		Optional: Part - Nr. / 9	-55°C to +85°C Ambient temperature

Single Output			0,5 Watt	0,75 Watt	1 Watt
Part - No.	Input Voltage	Output Voltage	Output current	Output current	Output current
FS7R-0503,3	5V	3,3	152mA	227mA	303mA
FS7R-0505		5	100mA	150mA	200mA
FS7R-0512		12	42mA	63mA	83mA
FS7R-0515		15	33mA	50mA	67mA
FS7R-1203,3	12V	3,3	152mA	227mA	303mA
FS7R-1205		5	100mA	150mA	200mA
FS7R-1212		12	42mA	63mA	83mA
FS7R-1215		15	33mA	50mA	67mA
FS7R-1503,3	15V	3,3	152mA	227mA	303mA
FS7R-1505		5	100mA	150mA	200mA
FS7R-1512		12	42mA	63mA	83mA
FS7R-1515		15	33mA	50mA	67mA
FS7R-2403,3	24V	3,3	152mA	227mA	303mA
FS7R-2405		5	100mA	150mA	200mA
FS7R-2412		12	42mA	63mA	83mA
FS7R-2415		15	33mA	50mA	67mA

Mechanical Dimensions & Schematic



PIN CONNECTION	
PIN	SINGLE
1	VCC
2	GND
3	NP
4	-Vout
5	NC
6	+Vout

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

Note: Dot denotes pin 1

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

CAUTION: NO INPUT POLARITY CHANGE ALLOWED