



INDUSTRIAL
DC/DC Converters
SHORT CIRCUIT PROOF

1Watt / 2 Watt
Series: FS7U

Unregulated
 Case Style: SIP 7

Electrical specifications:

Input voltage accuracy: +/- 10%
 Output voltage accuracy: +/- 10%
 Line regulation of Vin: +/- 1% / +/-1%
 Load regulation: +/- 15%
 Efficiency: 66% min.
 Output Ripple & Noise: 1W: 150mVp-p // 2W: 200mVp-p
 Short circuit protection: continuous

Temperature: 1W: Ambient -40°C to 71°C no derating
 2W: Ambient -40°C to 71°C no derating
 Operating temperature max. +105°C

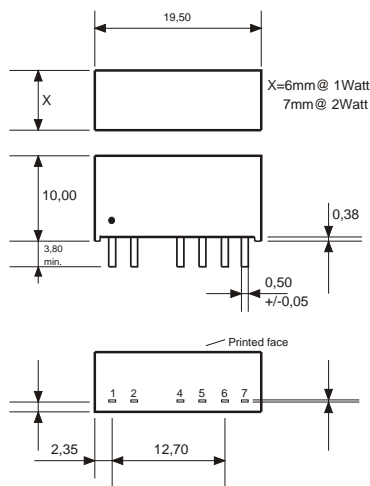
Isolation voltage: min. 2000V DC
 1000V AC partial discharge free (TE-frei)

Optional:
 **Part-Nr. /3: Test voltage optional 3000V AC rms min.
 **Part-Nr. /H: Isolation voltage optional 3000V DC min.

Single Output					1 Watt	2 Watt	Dual Output					1 Watt	2 Watt
Part - No.	Input Voltage	Output Voltage	Output current	Output current			Part - No.	Input Voltage	Output Voltage	Output current	Output current		
FS7U-0505	5V	5V	200mA	400mA			FS7U-0505D	5V	+/- 5V	+/-100mA	+/-200mA		
FS7U-0512		12V	83mA	166mA			FS7U-0512D		+/-12V	+/- 41mA	+/- 83mA		
FS7U-0515		15V	66mA	132mA			FS7U-0515D		+/-15V	+/- 33mA	+/- 66mA		
FS7U-1205	12V	5V	200mA	400mA			FS7U-1205D	12V	+/- 5V	+/-100mA	+/-200mA		
FS7U-1212		12V	83mA	166mA			FS7U-1212D		+/-12V	+/- 41mA	+/- 83mA		
FS7U-1215		15V	66mA	132mA			FS7U-1215D		+/-15V	+/- 33mA	+/- 66mA		
FS7U-1505	15V	5V	200mA	400mA			FS7U-1505D	15V	+/- 5V	+/-100mA	+/-200mA		
FS7U-1512		12V	83mA	166mA			FS7U-1512D		+/-12V	+/- 41mA	+/- 83mA		
FS7U-1515		15V	66mA	132mA			FS7U-1515D		+/-15V	+/- 33mA	+/- 66mA		
FS7U-2405	24V	5V	200mA	400mA			FS7U-2405D	24V	+/- 5V	+/-100mA	+/-200mA		
FS7U-2412		12V	83mA	166mA			FS7U-2412D		+/-12V	+/- 41mA	+/- 83mA		
FS7U-2415		15V	66mA	132mA			FS7U-2415D		+/-15V	+/- 33mA	+/- 66mA		
FS7U-2424		24V	41mA	82mA									

Any other output voltages available

** X = 7mm @ 2Watt; Uin 24V; /3; /H



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

PIN CONNECTION					
PIN	SINGLE	SINGLE A*	SINGLE /3* SINGLE /H*	DUAL	DUAL /3* 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	NC	-Vout	COM	-Vout
6	+Vout	+Vout	NC	+Vout	COM
7	NP	NP	+Vout	NP	+Vout

* For other pinning add "A" or "/3" or "/H" to the end of Partnumber, for example: FS7U-0505A, FS7U-0505/3

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