

Unregulated
Case Style: SIP 7

MEDICAL - INDUSTRIAL DC/DC Converters SHORT CIRCUIT PROOF

Stand: 20/08
1 Watt

Series: MED-FS7U

EN60601-1 / UL60601-1

Electrical specifications:

Input voltage range: $\pm 10\%$
Output voltage accuracy: $\pm 2\%$ (V_{in} =nominal & full load)
Line V_{in}/V_{out} : $\pm 1\%$ / $\pm 1\%$
Output voltage change: 3,3V, 5V types 15% max.
(10% to 100% full Load) 9V ~ 24V output types 10% max.
Efficiency: min. 66%.
Output Ripple & Noise: 150mVp-p

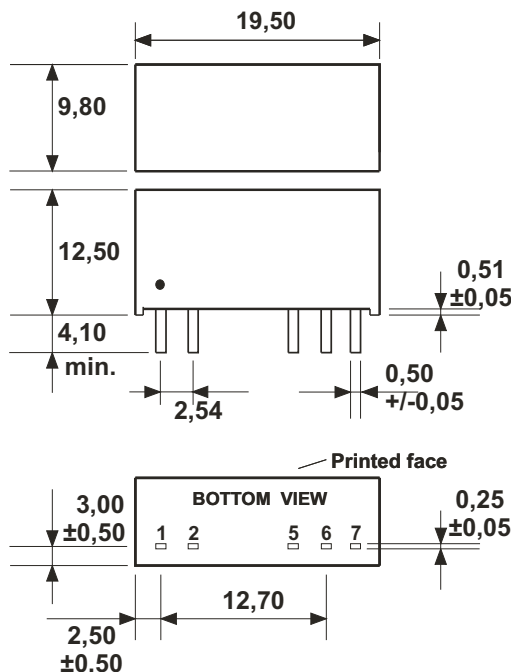
Temperature: Ambient -40°C to $+71^{\circ}\text{C}$
Operating temperature max. 95°C
Short circuit protection: continuous
Insulation test voltage: * 2kV AC rms base insulation / supplement
4mm clearance / creepage
Optional: Part-No.: /5 0,5W output power
Part-No.: /7 0,75W output power
Part-No.: /R 4kV AC rms Reinforced / double insulation
8mm clearance / creepage

* type test time 1 min.
part test time 1 sec.

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

Part - No. Single Output	Input Voltage	Output Voltage	Output current	Part - No. Dual Output	Input Voltage	Output Voltage	Output current
MED-FS7U-0505 MED-FS7U-0512 MED-FS7U-0515	5V	5V 12V 15V	200mA 83mA 66mA	MED-FS7U-0505D MED-FS7U-0512D MED-FS7U-0515D	5V	$\pm 5\text{V}$ $\pm 12\text{V}$ $\pm 15\text{V}$	$\pm 100\text{mA}$ $\pm 41\text{mA}$ $\pm 33\text{mA}$
MED-FS7U-1205 MED-FS7U-1212 MED-FS7U-1215	12V	5V 12V 15V	200mA 83mA 66mA	MED-FS7U-1205D MED-FS7U-1212D MED-FS7U-1215D	12V	$\pm 5\text{V}$ $\pm 12\text{V}$ $\pm 15\text{V}$	$\pm 100\text{mA}$ $\pm 41\text{mA}$ $\pm 33\text{mA}$
MED-FS7U-1505 MED-FS7U-1512 MED-FS7U-1515	15V	5V 12V 15V	200mA 83mA 66mA	MED-FS7U-1505D MED-FS7U-1512D MED-FS7U-1515D	15V	$\pm 5\text{V}$ $\pm 12\text{V}$ $\pm 15\text{V}$	$\pm 100\text{mA}$ $\pm 41\text{mA}$ $\pm 33\text{mA}$
MED-FS7U-2405 MED-FS7U-2412 MED-FS7U-2415	24V	5V 12V 15V	200mA 83mA 66mA	MED-FS7U-2405D MED-FS7U-2412D MED-FS7U-2415D	24V	$\pm 5\text{V}$ $\pm 12\text{V}$ $\pm 15\text{V}$	$\pm 100\text{mA}$ $\pm 41\text{mA}$ $\pm 33\text{mA}$

Any other input & output voltages available
(for example 3,3V)



PIN CONNECTION			
PIN	SINGLE standard	SINGLE / R	DUAL standard
1	VCC	VCC	VCC
2	GND	GND	GND
3	NP	NP	NP
4	NP	NP	NP
5	-Vout	NP	-Vout
6	NP	-Vout	COM
7	+Vout	+Vout	+Vout

ALL DIMENSIONS IN MM
MILLIMETERS $\pm 0,25\text{mm}$
All pins on a 2,54mm pitch
Note: NP = No pin; NC = No connection;
Dot denotes pin 1

Input capacitor 4,7 μF - 10 μF 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.