

POWERSUPPLIES

MFM-30, Switching powersupply, 30W



- Medical approved IEC/EN60601-1, ANSI/AAMI ES60601-1
- Isolation level 2 x MOPP and leakage current below $<80\mu\text{A}$
- No load power consumption $<0.075\text{W}$
- 3 years warranty

Technical data:

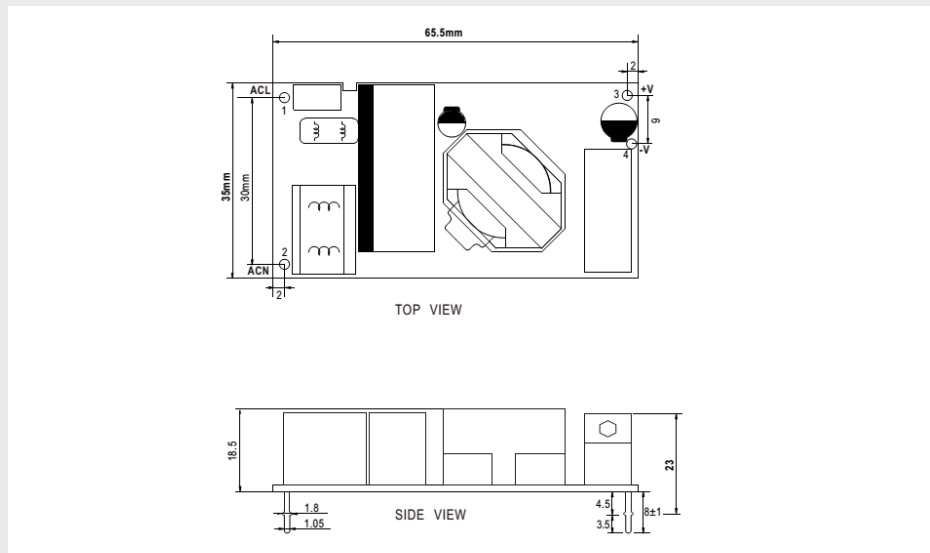
Input:

Input voltage:	100-264VAC ($<100\text{VAC}$ with derating)
Frequency:	47-63 Hz
Input current at 230VAC:	0.5A
Inrush current at 230VAC:	45A

Output:

Output voltage:	See below table
Output current:	See below table
Overload protection:	115-165% hiccup mode, auto-recovery
Over voltage protection:	105-135% of rated output voltage
Line regulation:	$\pm 0.5\%$
Load regulation:	$\pm 0.5-1.0\%$ depends of model
Ripple & noise:	80-200mVp-p depends of model
Efficiency:	82.5-91% depends of model
Temperature range:	$-40^{\circ}\text{C} \dots +60^{\circ}\text{C}$ @ 100%, $+70^{\circ}\text{C}$ @ 80%, $+85^{\circ}\text{C}$ @ 40%
MTBF:	779 Khrs
Connection:	PCB mounting
Size:	65.5x35x23mm
Weight:	53g
Safety and EMC:	UL/TÜV/CE/CB

Mechanical drawing:



Ordering information:

Type	Power	Output voltage	Output current
MFM-30-3.3	19.8 W / 25.7 W peak 10S	3.3 VDC	6.0 A
MFM-30-5	30 W / 34.5 W peak 10S	5.0 VDC	6.0 A
MFM-30-12	30 W / 34.5 W peak 10S	12 VDC	2.5 A
MFM-30-15	30 W / 34.5 W peak 10S	15 VDC	2.0 A
MFM-30-24	31.2 W / 36 W peak 10S	24 VDC	1.3 A
MFM-30-48	30.2 W / 35 W peak 10S	48 VDC	0.63A