



Features

- Universal AC input / Full range
- **Medical safety (2xMOPP)**
- Suitable for BF application with appropriate system consideration
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Extremely low leakage current
- No load power consumption <0.075W
- Isolation Class II
- **-30~+80°C wide range working temperature**
- Miniature size, high power density
- Pass LPS
- 3 years warranty

General Specification (Please refer to www.meanwell.com for detail spec.)



UL/CUL/TUV/CB/CE pending

Model No.	MFM-05	MFM-10	MFM-15	MFM-20	MFM-30
AC input voltage range	80~264VAC				
Leakage current	<80μA at 264VAC				
AC inrush current (max.)	Cold start, 25A at 115VAC, 45A at 230VAC				
Overload protection	105%~160% hiccup mode, auto-recovery				120%~180%
Over voltage protection	105%~135% shut down o/p voltage				105%~135%
Setup, rise, hold up time	1000ms, 30ms, 40ms at 230VAC				500ms, 30ms, 40ms at 230VAC
Withstand voltage	I/P-O/P: 4kVAC				
Working temperature	-30~+80°C (refer to output derating curve)				
Safety standards	Design refer to ANSI/AAMI ES60601-1, TUV EN60601-1				
EMC standards	EN55011 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11				
Connection	4 pins				
Dimension (LxWxH)(mm)	42x 22.3x 16		49x 23.8x 18.5		65.5x 35x 18.5

5W MFM-05

Model No.	Output	Tol.	R&N	Effi.
MFM-05-3.3	3.3V, 0~1.25A	±2.5%	200mV	70%
MFM-05-5	5V, 0~1A	±2.5%	200mV	76%
MFM-05-12	12V, 0~0.42A	±2.5%	200mV	80%
MFM-05-15	15V, 0~0.33A	±2.5%	200mV	81%
MFM-05-24	24V, 0~0.23A	±2.5%	200mV	82%

10W MFM-10

Model No.	Output	Tol.	R&N	Effi.
MFM-10-3.3	3.3V, 0~2.5A	±2.5%	200mV	75%
MFM-10-5	5V, 0~2A	±2.5%	200mV	78%
MFM-10-12	12V, 0~0.85A	±2.5%	200mV	82%
MFM-10-15	15V, 0~0.67A	±2.5%	200mV	82%
MFM-10-24	24V, 0~0.42A	±2.5%	200mV	83%

15W MFM-15

Model No.	Output	Tol.	R&N	Effi.
MFM-15-3.3	3.3V, 0~3.5A	±2.5%	200mV	75%
MFM-15-5	5V, 0~3A	±2.5%	200mV	79%
MFM-15-12	12V, 0~1.25A	±2.5%	200mV	84%
MFM-15-15	15V, 0~1A	±2.5%	200mV	84%
MFM-15-24	24V, 0~0.63A	±2.5%	200mV	85%

20W MFM-20

Model No.	Output	Tol.	R&N	Effi.
MFM-20-3.3	3.3V, 0~4.5A	±2.5%	200mV	76%
MFM-20-5	5V, 0~4A	±2.5%	200mV	79%
MFM-20-12	12V, 0~1.8A	±2.5%	200mV	84%
MFM-20-15	15V, 0~1.4A	±2.5%	200mV	84%
MFM-20-24	24V, 0~0.9A	±2.5%	200mV	85%

30W MFM-30

Model No.	Output	Tol.	R&N	Effi.
MFM-30-3.3	3.3V, 0~6A	±2%	80mV	80%
MFM-30-5	5V, 0~6A	±2%	80mV	83%
MFM-30-12	12V, 0~2.5A	±2%	120mV	88%
MFM-30-15	15V, 0~2A	±2%	150mV	89%
MFM-30-24	24V, 0~1.3A	±2%	240mV	89%
MFM-30-48	48V, 0~0.63A	±2%	300mV	91%