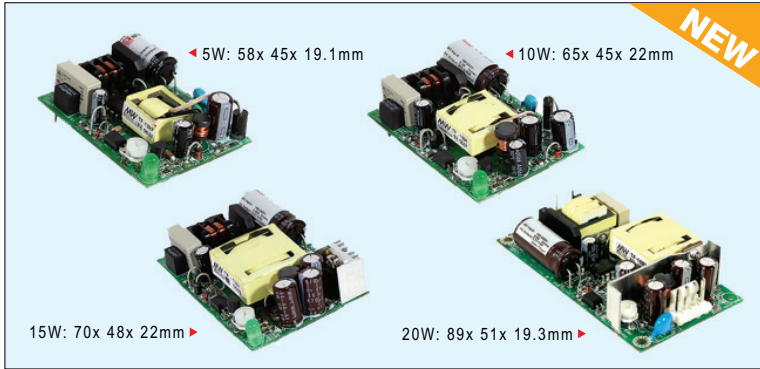
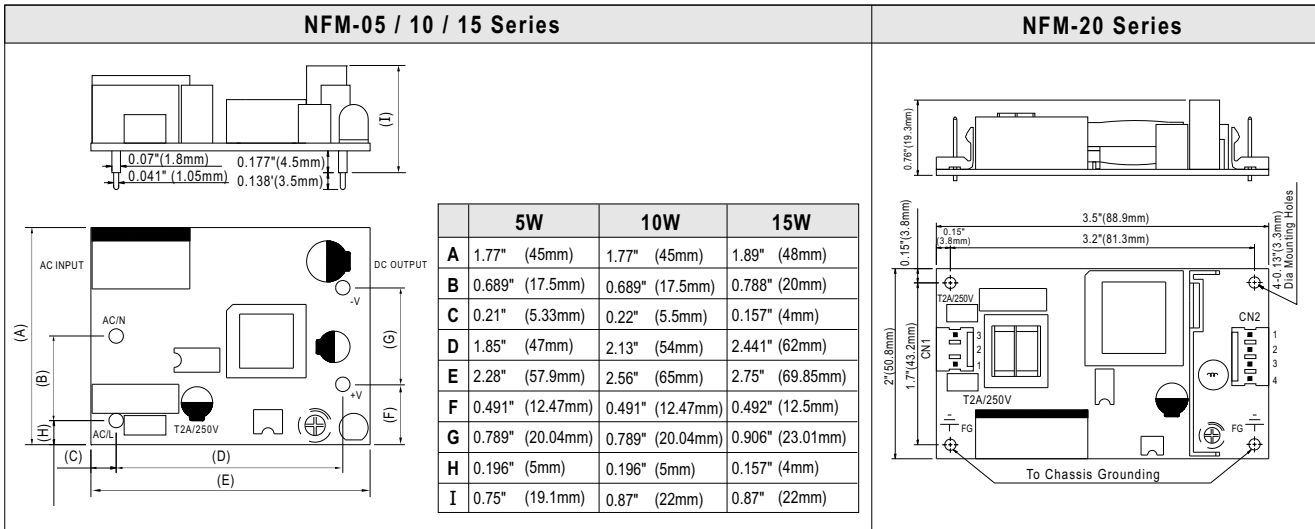


Open Frame

5~20W AC/DC On Board Type



- Universal AC input / Full range
- Ultra-miniature size, light weight
- Protections:
 - Short circuit / Overload / Over voltage / Over temp.
- No load power consumption <0.5W (<0.75W for 20W models)
- Isolation class II (5~15W)
- On-board type version available for 20W (optional)
- Low leakage current < 200uA (20W)
- Cooling by free air convection
- Medical safety approved
- Meet industrial, IT safety requirements
- 100% full load burn-in test
- 3 years warranty



General Specification

- AC input voltage range ... 85~264VAC; 120~370VDC
- Frequency range 47-440Hz
- AC inrush current (max.) .. Cold start, 25A at 115VAC, 45A at 230VAC
(NFM-15: 30A at 115VAC, 50A at 230VAC)
(NFM-20: 30A at 115VAC, 65V at 230VAC)
- DC adjustment range $\pm 10\%$ rated output voltage
- Overload protection >105% hiccup mode, auto recovery
- Over voltage protection..... 115%~135% rated output voltage, shut off, AC recycle to re-start
- Over temp. protection U1,Tj: 140~160°C, power shutdown, recovers automatically after temperature goes down
- Setup, rise, hold up time .. 1000ms, 20ms, 100ms @ 230VAC
(NFM-20: 500ms, 20ms, 50ms @ 230VAC)
- Withstand voltage I/P-O/P: 4.0KVAC, 1 minute
- Working temperature -20°C~70°C (refer to output derating curve)
- Safety standards UL60601-1, TUV EN60601-1 approved
- EMC standards EN55011, EN55022 Class B, EN61000-3-2,3
EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024,
EN60601-1-2, EN61204-3 Medical level, criteria A
- Connection 4 industrial pins for 5~15W
3P / 4P / 3.96mm pitch, Molex 41791-03/04 for 20W
- Packing 0.03kg ; 120pcs / 4.6kg / 0.97CUFT(NFM-05)
0.045kg ; 120pcs / 6.4kg / 0.97CUFT(NFM-10)
0.065kg ; 120pcs / 8.8kg / 0.97CUFT(NFM-15)
0.09kg ; 105pcs / 10.5kg / 0.97CUFT(NFM-20)



Energy Saving

We care about energy saving. This logo represents that this model has "low no load power consumption"!

NFM-05 series

Stock No.	Model No.	Output	Tol.	R&N	Effi.
12701	NFM-05-3.3	3.3V, 0~1.25A	$\pm 2\%$	80mV	67%
12702	NFM-05-5	5V, 0~1.00A	$\pm 2\%$	80mV	71%
12703	NFM-05-12	12V, 0~0.42A	$\pm 1\%$	150mV	73%
12704	NFM-05-15	15V, 0~0.33A	$\pm 1\%$	150mV	74%
12705	NFM-05-24	24V, 0~0.23A	$\pm 1\%$	240mV	76%

NFM-10 series

Stock No.	Model No.	Output	Tol.	R&N	Effi.
12711	NFM-10-3.3	3.3V, 0~2.50A	$\pm 2\%$	80mV	66%
12712	NFM-10-5	5V, 0~2.00A	$\pm 2\%$	80mV	74%
12713	NFM-10-12	12V, 0~0.85A	$\pm 1\%$	150mV	78%
12714	NFM-10-15	15V, 0~0.67A	$\pm 1\%$	150mV	79%
12715	NFM-10-24	24V, 0~0.42A	$\pm 1\%$	240mV	79%

NFM-15 series

Stock No.	Model No.	Output	Tol.	R&N	Effi.
12721	NFM-15-3.3	3.3V, 0~3.50A	$\pm 2\%$	80mV	73%
12722	NFM-15-5	5V, 0~3.00A	$\pm 2\%$	80mV	76%
12723	NFM-15-12	12V, 0~1.25A	$\pm 1\%$	150mV	78%
12724	NFM-15-15	15V, 0~1.00A	$\pm 1\%$	150mV	79%
12725	NFM-15-24	24V, 0~0.63A	$\pm 1\%$	240mV	81%

NFM-20 series

Stock No.	Model No.	Output	Tol.	R&N	Effi.
12731	NFM-20-3.3	3.3V, 0~4.50A	$\pm 2\%$	80mV	71%
12732	NFM-20-5	5V, 0~4.40A	$\pm 2\%$	80mV	75%
12733	NFM-20-12	12V, 0~1.80A	$\pm 1\%$	150mV	81%
12734	NFM-20-15	15V, 0~1.40A	$\pm 1\%$	150mV	83%
12735	NFM-20-24	24V, 0~0.92A	$\pm 1\%$	240mV	84%