

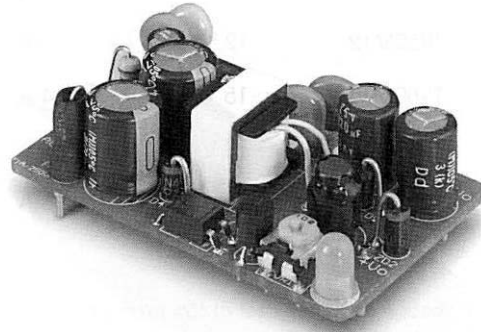


PART NUMBER: VFM05 series

DESCRIPTION: open frame AC/DC power supply

features

- universal input: 85~264VAC
- efficiency at 77% typical
- meets UL/cUL, TUV, CE
- conductive EMI meets CISPR/FCC, Class B
- single output



model number	output voltage	output current min. rated max.	ripple ¹ (mVp-p)	voltage accuracy	line reg. ²	load reg. ³
VFM05-S033	3.3 V	0 A 1.25 A	50 mV	±1%	±0.5%	±1%
VFM05-S050	5.0 V	0 A 1.0 A	50 mV	±1%	±0.5%	±1%
VMF05-S090	9.0 V	0 A 0.55 A	90 mV	±1%	±0.5%	±1%
VFM05-S120	12 V	0 A 0.42 A	120 mV	±1%	±0.5%	±1%
VFM05-S180	18 V	0 A 0.28 A	180 mV	±1%	±0.5%	±1%
VFM05-S150	15 V	0 A 0.33 A	150 mV	±1%	±0.5%	±1%
VFM05-S240	24 V	0 A 0.23 A	240 mV	±1%	±0.5%	±1%

INPUT

voltage	85-264 Vac
frequency	47 to 63 Hz
inrush current	40 A max. @ 264 Vac
isolation	input to output = 4,242VDC
leakage current	0.25mA max.

OUTPUT

hold up time	8mS typ. @ 115VAC
short circuit protection	continuous
temperature coefficient	±0.05% / °C

GENERAL & SAFETY

operating temperature	0° - 70°C (see derating curve)
storage temperature	-20° - +85°C
approvals	UL60950, TUV, CE
emmisions	CISPR/FCC Class B

MECHANICAL OUTLINE

dimensions	2.17x1.38x0.83(max) inches (55x35x21mm ³)
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NOTES:

1. add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for ripple and noise measuring @20MHz BW.
2. line regulation is measured from 100VAC to 240VAC with full load.
3. load regulation is measured from 60% to 100% full load and from 60% to 20% full load (60% ±40% full load).

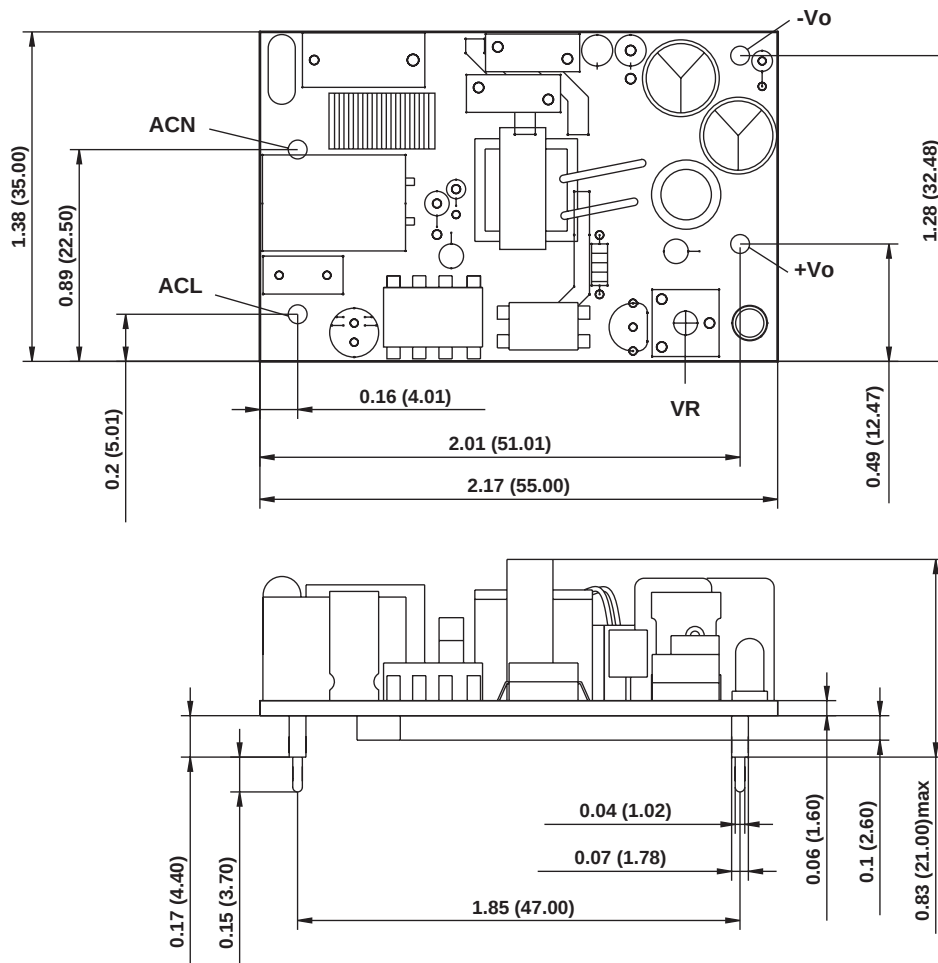


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DIMENSIONS (mm)

Tolerances: .xx ± .02(.xx ± .5) unless otherwise noted.



DERATING CURVE

