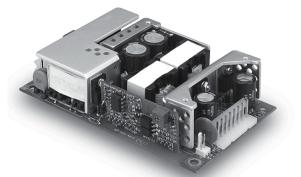


PART NUMBER: VFM100 series

DESCRIPTION: open frame ac-dc power supply

features ·universal input: 90~264VAC ·efficiency at 85% typical ·conductive EMI meets CISPR/FCC, class B/EN61204-3 class B ·power factor correction ·single output





model number	output voltage	max. Ioad	min. Ioad	ripple & noise ¹	voltage accuracy	line regulation ²	load regulation ³
VFM100-S5	5V	20A	0A	2%	±1%	±0.5%	±1%
VFM100-S9	9V	11.2A	0A	1%	±1%	±0.5%	±1%
VFM100-S12	12V	8.4A	0A	1%	±1%	±0.5%	±1%
VFM100-S15	15V	6.7A	0A	1%	±1%	±0.5%	±1%
VFM100-S18	18V	5.6A	0A	1%	±1%	±0.5%	±1%
VFM100-S24	24V	4.2A	0A	1%	±1%	±0.5%	±1%
VFM100-S48	48V	2.1A	0A	1%	±1%	±0.5%	±1%

INPUT

voltage	90-264VAC
frequency	47 to 63Hz
inrush current	50A max. @ 264VAC

OUTPUT

hold up time	20mS typ. @ 115VAC
short circuit protection	continuous
over voltage protection	auto recovery

ENVIRONMENTAL CHARACTERISTICS

operating temperature	0°C-40°C
storage temperature	-20°C-85°C

MECHANICAL OUTLINE

dimen	sions
	0.00

5x3x1.34 inches (127x76.2x34 mm)

GENERAL and **SAFETY**

isolation voltage (HI-POT)	input to output	4242 V dc for 1 minute
safety approvals	approved to UL 60950 E210311, TUV, CE	
EMI standard	conducted emissions comply with CISPR22	2, FCC class B
leakage current	3.5mA max.	
RoHS	yes	

NOTES:

1. add a 0.1 μ F ceramic capacitor and a 10 μ F E.L. capacitor to output for ripple and noise measuring @20MHz BW.

2. line regulation is measured from 100VAC to 240VAC with full load.

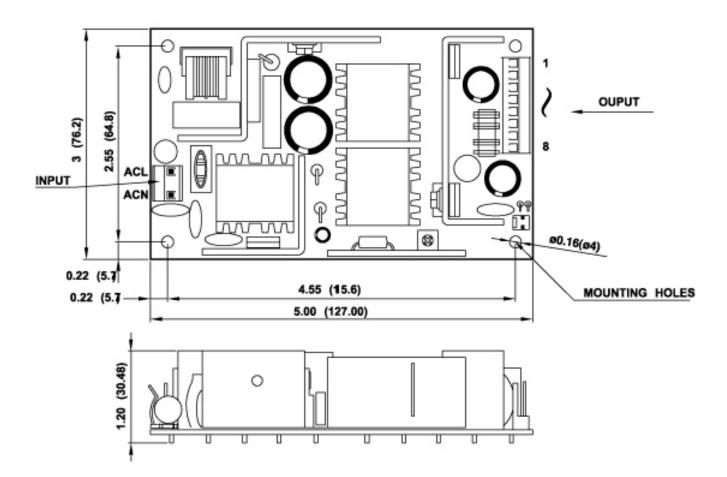
3. load regulation is measured from 60% to 100% full load and from 60% to 20% full load (60% ±40% full load).



PART NUMBER: VFM100 series

DESCRIPTION: open frame ac-dc power supply

DIMENSIONS (mm)

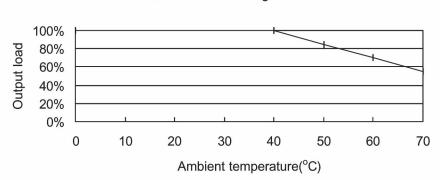




PART NUMBER: VFM100 series

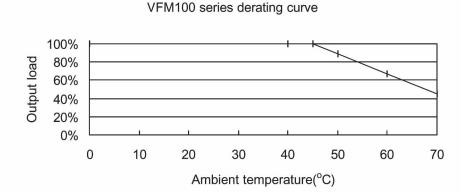
DESCRIPTION: open frame ac-dc power supply

DERATING CURVES



VFM100 series derating curve

Models: VFM100-S9, VFM100-S24, VFM100-S28, VFM100-S48





VFM100 series derating curve

