



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SERIES: VOFM-5 | **DESCRIPTION:** AC-DC POWER SUPPLY

FEATURES

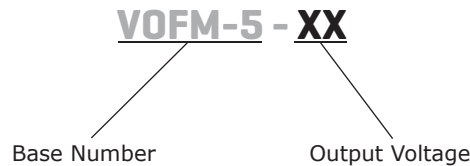
- up to 5 W continuous power
- compact size
- universal input (85~264 Vac)
- single output from 3.3~24 V
- 6,565 V isolation
- over load, over voltage, and short circuit protections
- full medical safety approvals
- efficiency up to 77%



MODEL	output voltage	output current	output power	ripple ¹ and noise	efficiency
	(Vdc)	max (A)	max (W)	max (mVp-p)	typ (%)
VOFM-5-3.3	3.3	1.25	4.125	50	68
VOFM-5-5	5	1.0	5	50	72
VOFM-5-9	9	0.55	5	90	74
VOFM-5-12	12	0.42	5	120	75
VOFM-5-15	15	0.33	5	150	75
VOFM-5-18	18	0.28	5	180	76
VOFM-5-24	24	0.23	5.5	240	77

Notes: 1. Ripple & noise are measured at 20 MHz BW with 0.1 μF ceramic cap and a 10 μF electrolytic capacitors on the output

PART NUMBER KEY



INPUT

parameter	conditions/description	min	typ	max	units
voltage		85		264	Vac
frequency		47		63	Hz
current	at 85 Vac, full load			200	A
inrush current	at 264 Vac, full load, cold start			40	A

OUTPUT

parameter	conditions/description	min	typ	max	units
line regulation	high line to low line at full load		±0.5		%
load regulation	110 Vac at full load to 10% load		±1		%
hold-up time	115 Vac at full load	8			ms

OUTPUT

parameter	conditions/description	min	typ	max	units
over voltage protection		130		150	%
over current protection				180	%Io
short circuit protection	auto recovery upon removal of short				

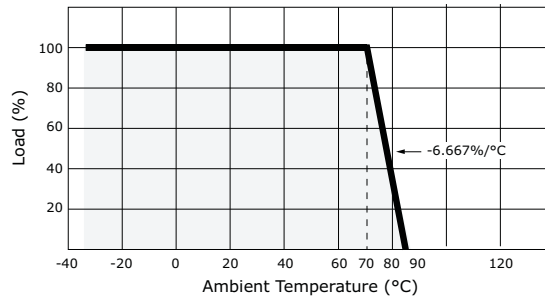
SAFETY & COMPLIANCE

parameter	conditions/description	min	typ	max	units
isolation voltage	primary to secondary for 1 minute primary to transformer core for 1 minute	6,565 1,500			Vac Vac
isolation resistance	per EN60601-1				
safety approvals	TUV EN 60601-1, CE, UL/cUL 60601-1 (E302945)				
EMI/EMC	EN 55011, EN 55022, EN 55024, EN 61204-3, EN 61000-3-(2,3), EN 61000-6-(1,3), EN60601-1-2				
leakage current				100	µA
RoHS compliant	yes				

ENVIRONMENTAL

parameter	conditions/description	min	typ	max	units
operating temperature	see derating curve	0		70	°C
storage temperature		-20		85	°C
operating humidity	non-condensing	0		93	%
storage humidity	non-condensing	0		93	%

DERATING CURVES

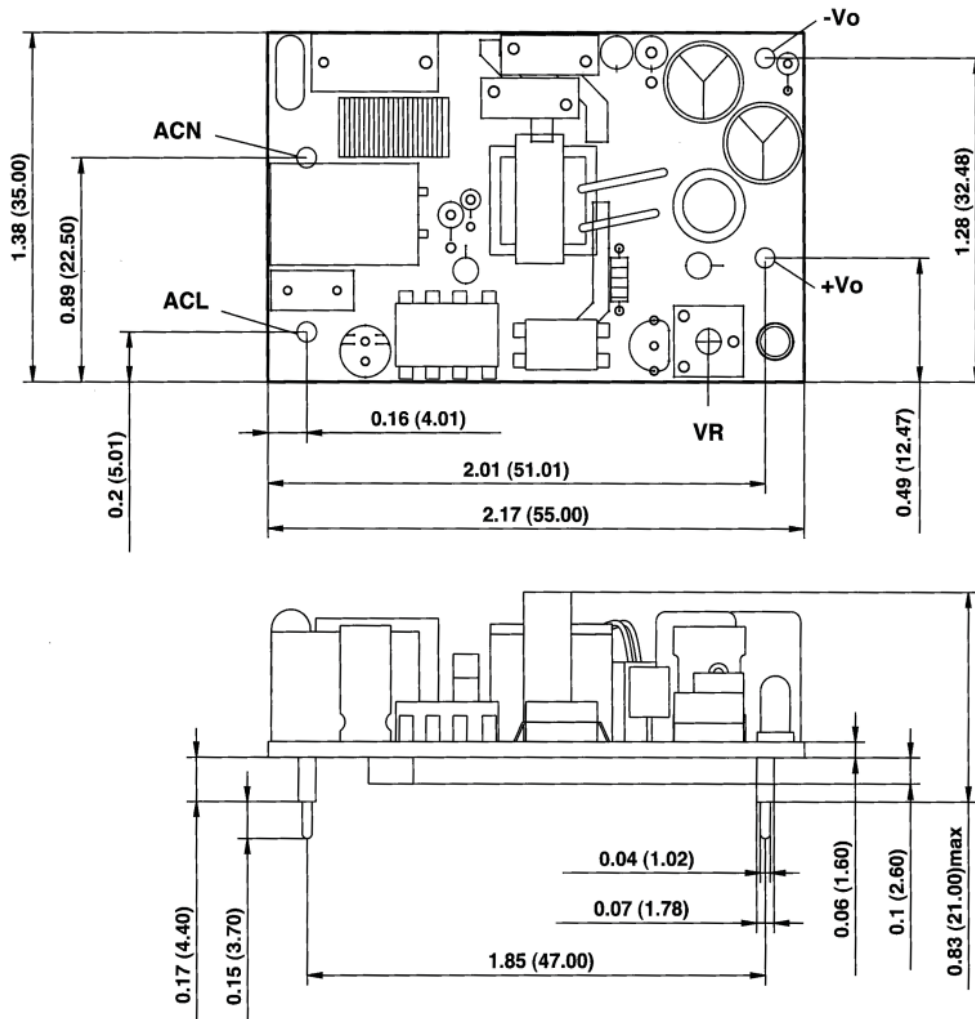


MECHANICAL

parameter	conditions/description	min	typ	max	units
dimensions	2.165 x 1.378 x 0.861 (55.00 x 35.00 x 22.00 mm)				inch
cooling method	free air convection				

MECHANICAL DRAWING

units: inches (mm)



REVISION HISTORY

rev.	description	date
1.0	initial release	03/03/2006
1.01	mechanical drawing updates	12/27/2007
1.02	new template applied, V-Infinity branding removed	08/23/2012
1.03	updated features	11/05/2012

The revision history provided is for informational purposes only and is believed to be accurate.



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