



**150 Watt MEDICAL OPEN FRAME
AC/DC Modules with PFC
Series DVC150M**

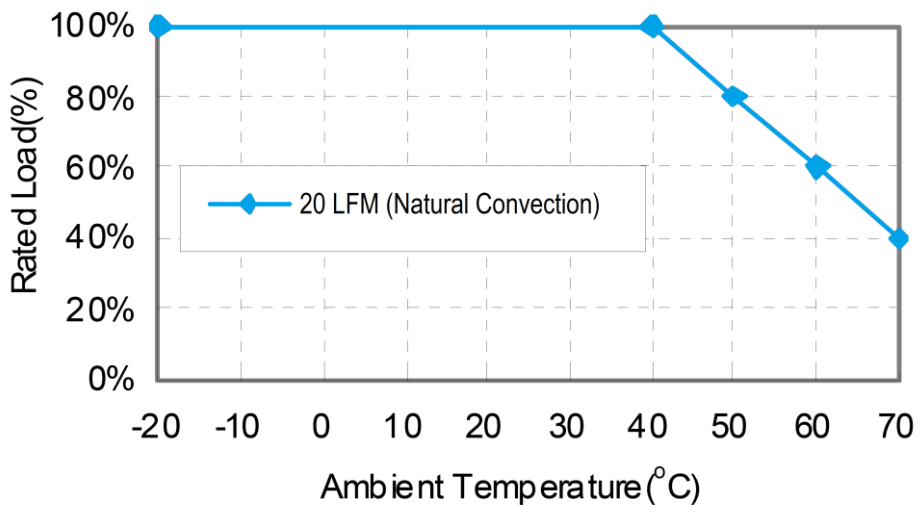


Features

- Universal Input: 90 – 264Vac
- Medical and ITE Safeties
- Remote Voltage Sense
- 3" x 5" Size
- Less than 1U high: 26,67 mm
- Meets CISPR/FCC Class B
- IEC/EN/UL60601-1 Approved
- Meets Class I
- High Efficiency up to 93%
- Industry Standard Pin Out
- Active PFC Meets EN61000-3-2
- No Load Power Consumption <0,5W
- Over Voltage Protection
- Continuous Short Circuit Protection
- Meets 2 MOPP

MODEL NUMBER	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT MAX. [A]	OUTPUT CURRENT MIN. [A]	RIPPLE & NOISE [%] (NOTE 1)	VOLTAGE ACCURACY [%] (NOTE 2)	LINE REGULATION [%] (NOTE 3)	LOAD REGULATION [%] (NOTE 4)	EFF. [%] (NOTE 5)
DVC150M12	12	12,5	0	1	±1	±0,5	±1	90
DVC150M24	24	6,25	0	1	±1	±0,5	±1	92
DVC150M36	36	4,17	0	1	±1	±0,5	±1	92
DVC150M48	48	3,13	0	1	±1	±0,5	±1	93

DERATING CURVE:



INPUT CHARACTERISTICS:

Input Voltage Range 90-264Vac / 120-370Vdc
 Frequency 47 to 63Hz
 Inrush Current 110A max. @240Vac
 Leakage Current 300uA max.

GENERAL SPECIFICATIONS:

Isolation Input to Output 5656 VDC
 Operating Temperature Range -20°C to +70°C
 Storage Temperature Range -20°C to +85°C
 Humidity 93% RH max. Non-Condensing
 Cooling Natural Convection
 Switching Frequency 90 KHz Typ.
 MTBF (MIL-HDBK-217F,GB,at25°C/115VAC) 100Khrs min
 Altitude 3000m

OUTPUT CHARACTERISTICS:

Hold-up Time 16mS typ.
 Short Circuit Protection Hiccup mode (Auto Recovery)
 Adjustment Range Vout ±5%
 Over Voltage Protection Recycle AC input to restart
 Temperature Coefficient ±0,05%/°C

SAFETY:

Emission & Immunity EN60601-1-2:2015 ed. 4.0
 EN55011, EN55032 Class B, FCC CFR 47 Part 15
 EN61000-3-2, 3, IEC61000-4-2, 3, 4, 5, 6, 8, 11
 Safety Class I, IEC60601-1:2005+A1:2012 ed. 3.1
 EN60601-1:2006+A11:2011+A1+A12 ed. 3.1
 UL ANSI/AAMI ES60601-1:2005

MECHANICAL OUTLINE:

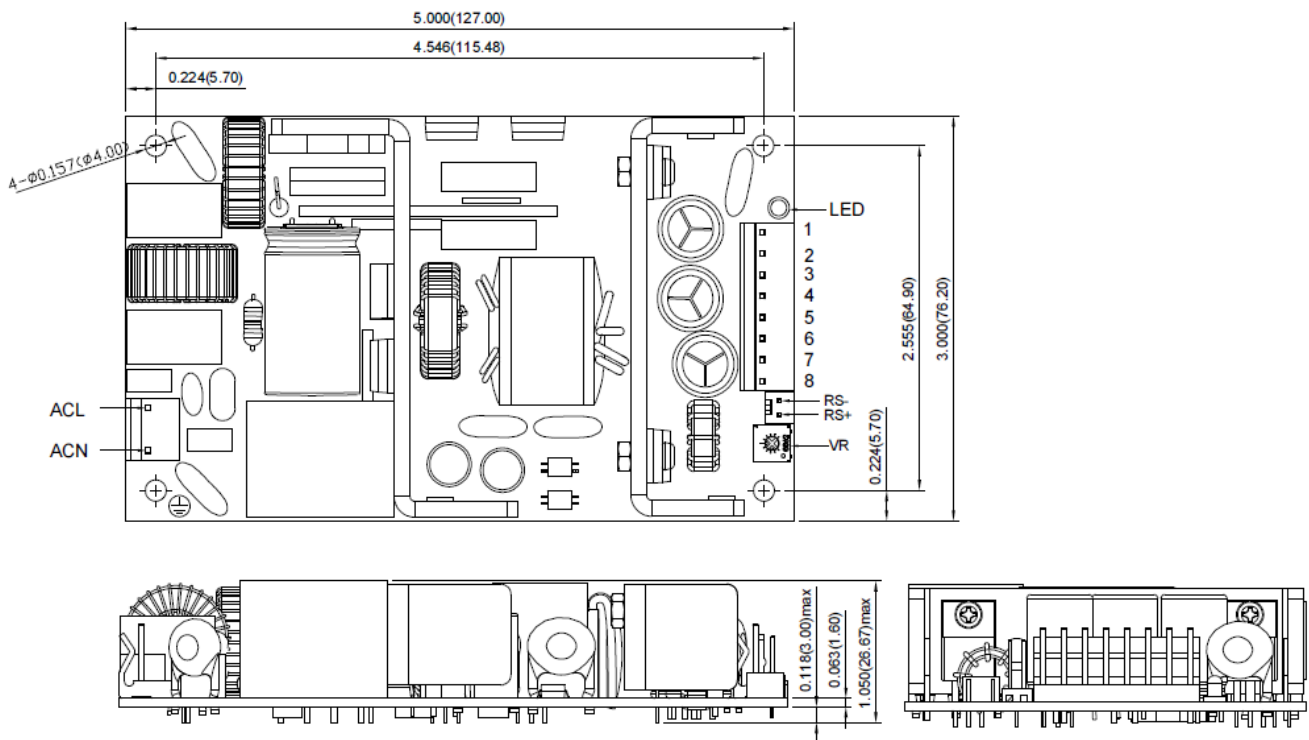
Dimensions 127 x 76,20 x 26,67 (mm)
 5,000 x 3,000 x 1,050 (inches)
 Weight 270g typ.

NOTE:

1. Add a 0,1µF ceramic capacitor and a 10 µF E.L. capacitor to output for Ripple & Noise Measuring @ 20MHz BW.
2. Voltage accuracy is set at 100% rated load and 25°C Ta.
3. Line Regulation is measured from High Line to Low Line, full load.
4. Load Regulation is measured from 100% full to 10% load.
5. Typical efficiency at 230VAC and full load at 25°C.
6. Standard input and output connectors wafer with LONG CHU P3060 series and mate with MOLEX housing 09-50-1031 and 09-50-1081 or equivalent.
7. DC output pin 1, 2, 3, 4: Vout(-), DC output pin 5, 6, 7, 8: Vout(+).
8. Typical at 25°C, nominal line and 75% load, unless otherwise specified.

MECHANICAL SPECIFICATION

All Dimensions are in Inches (mm)
 Tolerances: x.xxx±0.02(x.xx±0.5) unless otherwise noted



Technische Änderungen vorbehalten / Specifications are subject to change without notice