



**15 Watt, Regulated, MEDICAL
AC/DC Modules, PCB mounting
Series DVM15M-L62**



Features

- Input: 85 – 264Vac (50/60Hz) & 100 – 370 VDC
- Regulated Output, Low Ripple & Noise
- Efficiency to 86%
- Low No-Load Power Consumption <0,1W
- Meets IEC/EN/CSA60601-1
- Meets CISPR32 / EN55032 Class B
- Over Current Protection
- Over Voltage Protection
- Short Circuit Protection
- I/O Isolation 4000 VAC
- 2x MOPP
- Meets CISPR11 / EN55011 Class B

MODEL NUMBER	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT MAX. [mA]	OUTPUT CURRENT MIN. [A]	EFF. [%]	OUTPUT POWER [W]	MAX. CAP. LOAD [μ F]	PACKAGE L62 [mm]
DVM15M-L62-S05	5	2800	0	78	14	8000	62x45x22,5
DVM15M-L62-S12	12	1250		83	15	4000	
DVM15M-L62-S15	15	1000		83		3000	
DVM15M-L62-S24	24	625		86		800	

Note:

1. Ripple and Noise are measured by the method of parallel lines
2. Unless otherwise specified, all specifications above are measured at rated input voltage and rated output load TA=25°C, humidity <75%

INPUT SPECIFICATIONS:

Input Voltage Range.....	85 to 264VAC / 100 to 370VDC
Input Frequency.....	47 to 63Hz
Input Current.....	115VAC 370mA / 230VAC 220mA max.
Inrush Current.....	115VAC 10A / 230VAC 20A typ.
Leakage Current (@264Vac/60Hz).....	0,1mA RMS typ.

OUTPUT SPECIFICATIONS:

Voltage Accuracy.....	±2% typ.
Line Regulation (Full Load).....	±0,5% typ.
Load Regulation (10-100% Load).....	±1% typ.
Min. Load.....	0%
Ripple & Noise (20MHz Bandwidth).....	100mVp-p max.
Short Circuit Protection.....	Continuous, self-recovery
Over Current Protection.....	≥110%Io, self-recovery
Over Voltage Protection.....	5Vout ≤7,5Vdc
	12Vout ≤20Vdc
	15Vout ≤20Vdc
	24Vout ≤30Vdc

GENERAL SPECIFICATIONS:

Isolation Voltage (Test for 1min., leakage current≤5mA).....	Input/Output.....	4000Vac min.
Hold-up Time.....	115Vac, 15ms typ. / 230Vac, 80ms typ.	
Operating Temperature Range.....		-40°C to +70°C
Derating.....		see Derating Curve
Input Voltage Derating.....		see Derating Curve
Storage Temperature Range.....		-40°C to +85°C
Humidity (non condensing).....		95%RH max.
Switching Frequency.....		65kHz typ.
Efficiency.....		see table
MTBF (MIL-HDBK-217 @25°C).....		>300.000h

SAFETY:

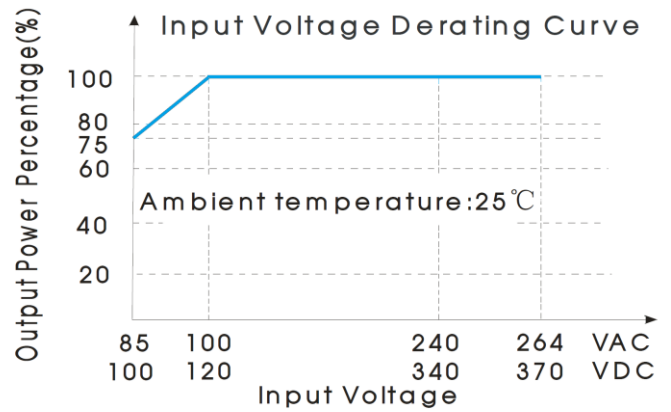
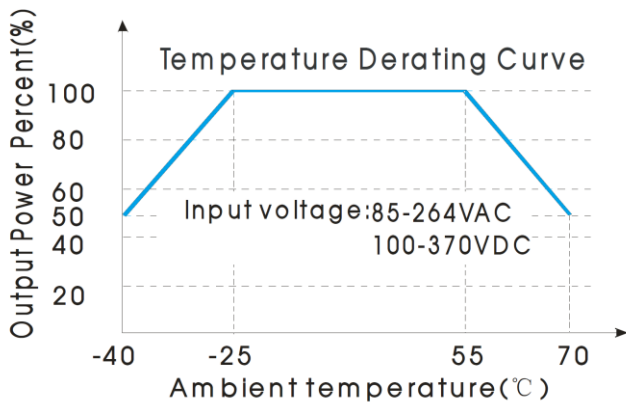
EMI.....	CE/RE.....	CISPR11/EN55011 / CISPR32/EN55032 Class B
Safety standards meets.....		EN/IEC/CSA60601-1
Safety Class.....		CLASS II
Insulation Level.....		2x MOPP

MECHANICAL SPECIFICATIONS:

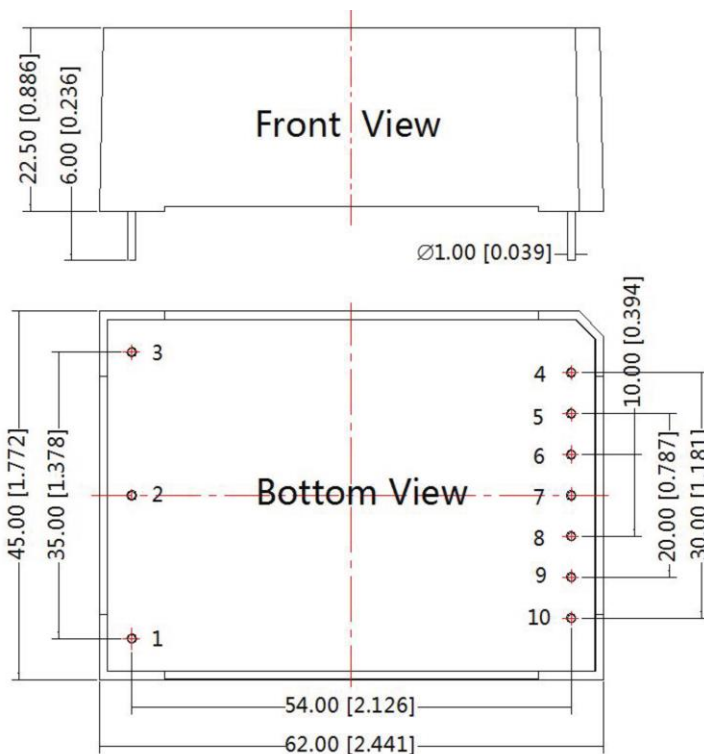
Case Material.....	Plastic UL94V-0
Dimension.....	62,0 x 45,0 x 22,5 mm
Weight.....	85g typ.

Note:

1. External input FUSE is recommended to use 2A/250V,slow fusing.



Dimension



Pin	Single Output
1	NP
2	AC (N)
3	AC (L)
4	NP
5	+Vo
6	NP
7	NP
8	NP
9	-Vo
10	NP

NP=No Pin

Note:
Unit: mm [inch]
Pin diameter tolerances: $\pm 0.10\text{mm}$ [± 0.004]
General tolerances: $\pm 0.50\text{mm}$ [± 0.020]