



**35 Watt
AC/DC Enclosed Power Supply
Dual Output
Series DVM35D-C**



Features

- Input: 85 – 264VAC & 120 – 370VDC
- Regulated Output, Low Ripple & Noise
- Isolation I/O 3000VAC
- Efficiency to 83%
- Meet Safety UL62368, IEC62368, EN62368
- Over Current / Over Voltage Protection
- Short Circuit Protection
- Safety Class I
- Meets CISPR32 / EN55032 Class B
- Meet EN60335

MODEL NUMBER	OUTPUT VOLTAGE / OUTPUT CURRENT MAX.		MIN. LOAD [A]		EFF. TYP. [%]	OUTPUT POWER [W]	CAP. LOAD MAX. [uF]	
	Vo1/Io1	Vo2/Io2	Io1	Io2			Vo1	Vo2
DVM35D0512-C	+5V/4A	+12V/1A	0,4	0,1	81	32	4000	1000
DVM35D0524-C	+5V/2,2A	+24V/1A	0,22	0,1	83	35	2200	1000

Note:

1. Nominal Input Voltage at 230Vac.

INPUT SPECIFICATIONS:

Input Voltage Range.....	85 to 264VAC / 100 to 370VDC
Input Frequency.....	47 to 63Hz
Input Current.....	115VAC 750mA / 230VAC 500mA max.
Inrush Current.....	115VAC 30A / 230VAC 50A typ.
Leakage Current.....	Vin 240VAC <2,0mA

OUTPUT SPECIFICATIONS:

Voltage Accuracy (Full Load Range)	Vo1	±2,0% typ.
	Vo2 (DVM35D0512-C)	±8,0% typ.
	Vo2 (DVM35D0524-C)	-4,0% to +8,0%
Line Regulation (Full Load)	Vo1	±0,5% typ.
	Vo2	±1,5% typ.
Load Regulation (10%-100% Load)	Vo1	±0,5% typ.
	(Balanced Load) Vo2	±5,0% typ.
Ripple & Noise (Note 1) (20MHz Bandwidth)	Vo1	80mVp-p typ.
	Vo2	150mVp-p typ.
Temperature Coefficient.....		±0,03%/°C typ.
Voltage Adjustable Range (Vo1) (Note2)	Rated Input Voltage	4,75 to 5,50 Vdc
Output Voltage Rise Time Vo1/Vo2 from 10%-90%Vo at Vin115V&230V		30ms max.
Short Circuit Protection		Hiccup, Continuous, self-recovery
Over Current Protection (2 outputs with equal-scale load)		110%-220%Io, self-recovery
Over Voltage Protection		5,75Vdc ≤ Vo1 ≤ 6,75Vdc, output clamped
Start-up Time	Rated Input Voltage	2s max.
Hold-up Time	Vin 115VAC	5ms typ.
	Vin 230VAC	30ms typ.

GENERAL SPECIFICATIONS:

Isolation Voltage (Test for 1min., leakage current<10mA) ...	Input-Output	3000Vac min.
	Input-PE	2000Vac min.
	Output-PE	500Vac min.
	Output-Output	500Vdc min.
Isolation Resistance (at 500Vdc)	Input-Output / Input-PE / Output-PE	100MΩ min.
Operating Temperature Range		-30°C to +70°C
Derating at 50°C		see Derating Curve
Storage Temperature Range		-40°C to +85°C
Cooling		Free Air Convection
Humidity (non-condensing)		95%RH max.
Efficiency		see table
MTBF (MIL-HDBK-217 @25°C).....		>300.000h

SAFETY:

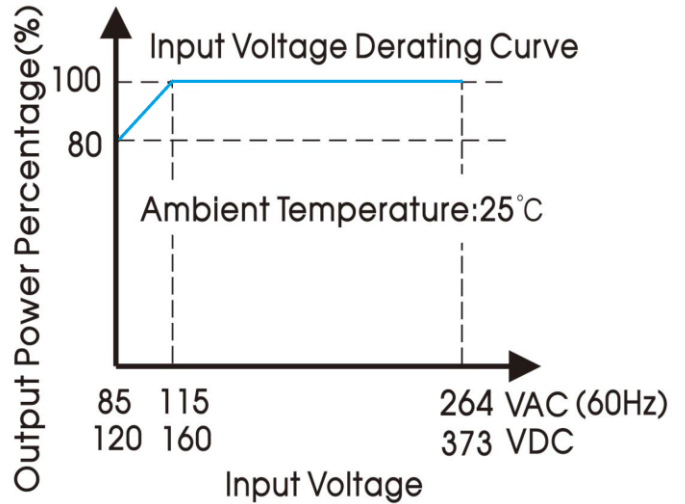
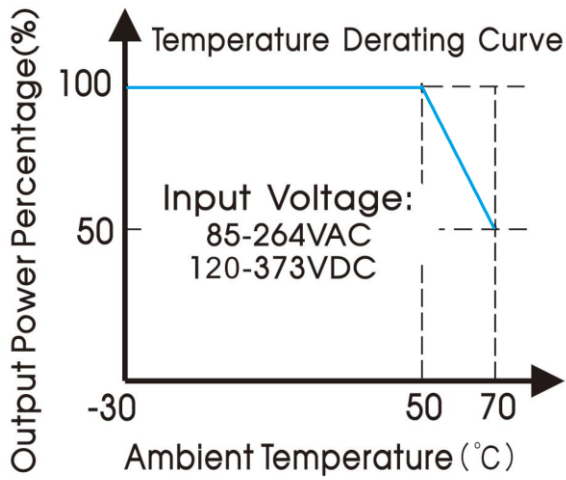
EMI.....	CE/RE	CISPR32/EN55032 Class B
Immunity	IEC/EN61000-4-2, IEC/EN61000-4-3, IEC/EN61000-4-4, IEC/EN61000-4-5, IEC/EN61000-4-6, IEC/EN61000-4-11	
Safety Standards meet.....	IEC/EN/UL60950-1 & IEC/EN/UL62368-1 & EN60335	
Safety Class.....		CLASS I

MECHANICAL SPECIFICATIONS:

Case Material		Metal
Dimension		99 x 97 x 30 (mm)
Weight.....		210g typ.

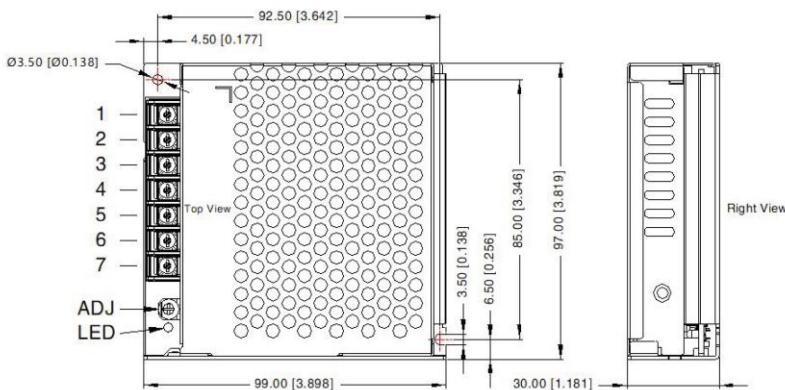
NOTE:

1. The "Tip and barrel method" is used for ripple and noise test, (47uF electrolytic capacitor and 104 ceramic capacitor) please refer to AC-DC Converter Application Notes for specific information.
2. When Vo1 working in the adjustable range, the output power please refer to power derating curve and should not be exceed the rated output power.
3. Unless otherwise specified, parameters in this datasheet were measured under the conditions of Ta=25°C, humidity<75% with nominal input voltage and rated output load;
4. The out case needs to be connected to PE of system when the terminal equipment in operating.

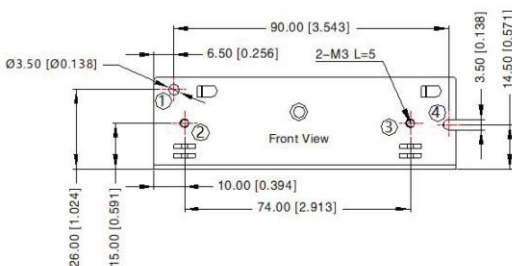


Dimension

Note:
Unit: mm [inch]
Wire range: 22-14 AWG
Tightening torque: M3, 0,5Nm
General tolerances: ±1.00mm [±0.039]
1-8 any position must be connected to PE



Pin	Single Output
1	AC (L)
2	AC (N)
3	PE
4	-Vo2
5	+Vo2
6	-Vo1
7	+Vo1



Position	Screw Spec.	L(max)	Torque(max)
② ③	M3	5mm	0.4N·m
⑥ ⑦	M3	3mm	0.4N·m

