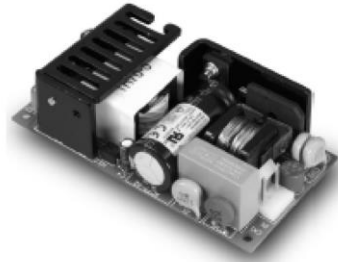




40-60 Watt Open Frame AC/DC Modules Series DVC40-60



Features

- Universal Input Range 90 – 264Vac
- PCB Mountable & Covered Version Available
- Continuous Short Circuit Protection
- IEC/EN/UL62368-1 Approved
- 2" x 4" Size
- Efficiency at 87% Typical
- Meets EN55032 Class B, CISPR/FCC Class B
- IEC/EN/UL60950-1 Approved

40 Watt Series

MODEL NUMBER	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT MAX. [A]	OUTPUT CURRENT MIN. [A]	RIPPLE & NOISE	VOLTAGE ACCURACY [%]	LINE REGULATION [%]	LOAD REGULATION [%]	EFF. [%]
DVC40S3,3	3,3	6	0	50mV	±1	±0,5	±1	70
DVC40S05	5	6	0	1%	±1	±0,5	±1	76
DVC40S09	9	4,45	0	1%	±1	±0,5	±1	84
DVC40S12	12	3,34	0	1%	±1	±0,5	±1	85
DVC40S15	15	2,67	0	1%	±1	±0,5	±1	85
DVC40S24	24	1,67	0	1%	±1	±0,5	±1	85
DVC40S30	30	1,33	0	1%	±1	±0,5	±1	86
DVC40S36	36	1,11	0	1%	±1	±0,5	±1	87
DVC40S48	48	0,834	0	1%	±1	±0,5	±1	87

60 Watt Series

MODEL NUMBER	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT MAX. [A]	OUTPUT CURRENT MIN. [A]	RIPPLE & NOISE	VOLTAGE ACCURACY [%]	LINE REGULATION [%]	LOAD REGULATION [%]	EFF. [%]
DVC60S3,3	3,3	8	0	50mV	±1	±0,5	±1	72
DVC60S05	5	8	0	1%	±1	±0,5	±1	77
DVC60S09	9	6,67	0	1%	±1	±0,5	±1	84
DVC60S12	12	5	0	1%	±1	±0,5	±1	85
DVC60S15	15	4	0	1%	±1	±0,5	±1	86
DVC60S24	24	2,5	0	1%	±1	±0,5	±1	86
DVC60S30	30	2	0	1%	±1	±0,5	±1	86
DVC60S36	36	1,67	0	1%	±1	±0,5	±1	88
DVC60S48	48	1,25	0	1%	±1	±0,5	±1	88

Note: Please add **-P** for **Pin-Version** (DVC40S24-P) or **-C** for **Covered Version** (DVC40S24-C).

INPUT CHARACTERISTICS:

Input Voltage Range.....90-264Vac
 Input Frequency.....47 to 63Hz
 Inrush Current (Cold Start@25°C)..... 240Vac/50A max.
 Leakage Current.....1mA typ.

OUTPUT CHARACTERISTICS:

Hold-up Time 8mS Typ @ 115Vac
 Short Circuit Protection .. Hiccup Mode (Auto Recover), Continuous
 Temperature Coefficient±0,05%/°C
 Over Temperature Protection TVS Component to Clamp

GENERAL SPECIFICATIONS:

Isolation Voltage (Input/Output) 4242Vdc
 Operating Temperature Range0°C to +70°C
 Storage Temperature Range-20°C to +85°C
 Derating see curve
 Humidity93% RH max. non condensing
 Cooling..... Free Air Convection
 Switching Frequency......66KHz typ.
 MTBF (MIL-HDBK-217F,GB,at25°C/115VAC).....200K hrs min.
 Altitude..... 2000m

MECHANICAL SPECIFICATIONS:

Dimensions DVC40/60 Open frame: 101,6 x 50,8 x 30,48 (mm)
 4.000x2.000x1.200 (Inches)
 DVC40/60 Covered Version:.....117 x 62 x 40 (mm)
 4.606x2.441x1.575 (Inches)
 Weight.....DVC40/60 Open frame:..... 170g/175g typ.
 DVC40/60 Covered Version:.....210g/215g typ.

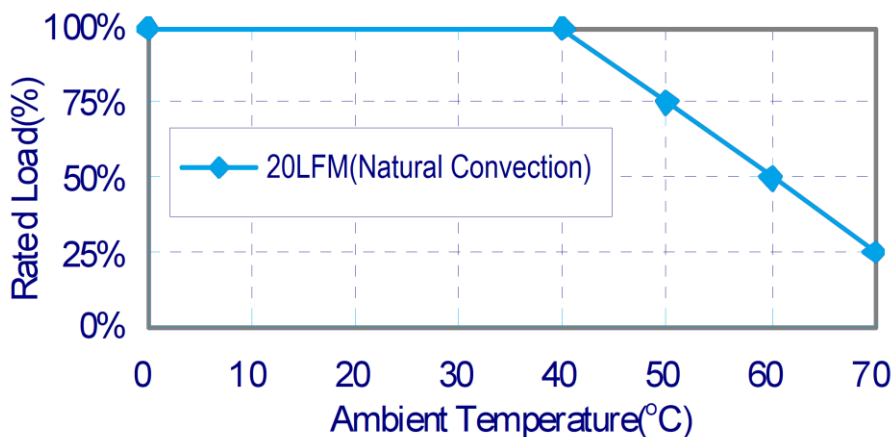
SAFETY & EMC:

Emission & Immunity.....EN55032 Class B, FCC Part 15 Class B
 EN61000-6-3, EN61000-3-2, EN61000-3-3
 EN55024, EN61204-3, EN61000-6-1
 Safety Approved (only Open Frame Version)IEC/EN/UL62368-1

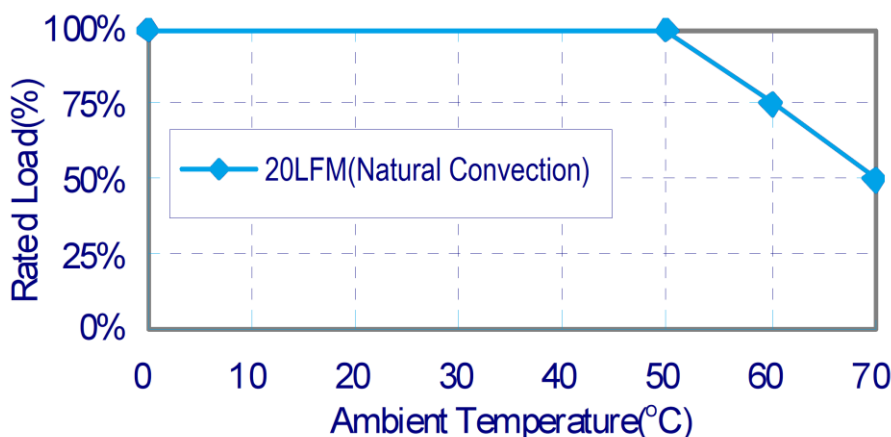
- NOTE:
1. Add a 0,1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW
 2. Line regulation is measured from High Line to Low Line with Full Load.
 3. Load regulation is measured from Full to 10% load.
 4. Input connector mates with Molex housing 09-50-3031 and Molex 2878 series crimp terminal.
 5. Output connector mates with Molex housing 09-50-3041 and Molex 2878 series crimp terminal.
 6. Safety approvals do not apply to the covered version, only to the open frame version.
 7. Typical at 25°C, nominal line and 75% load, unless otherwise specified.

DVC40-60 Derating Curve (Open Frame Versions)

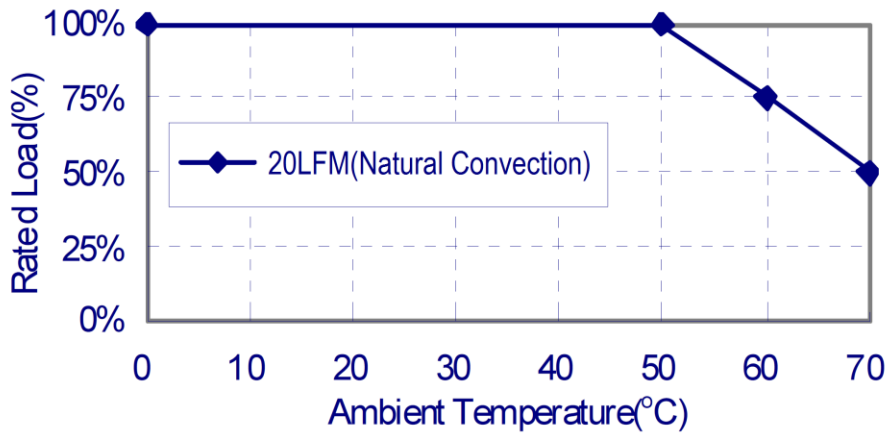
DVC40S3,3, DVC40S05, DVC40S09, DVC60S3,3, DVC60S05, DVC60S09



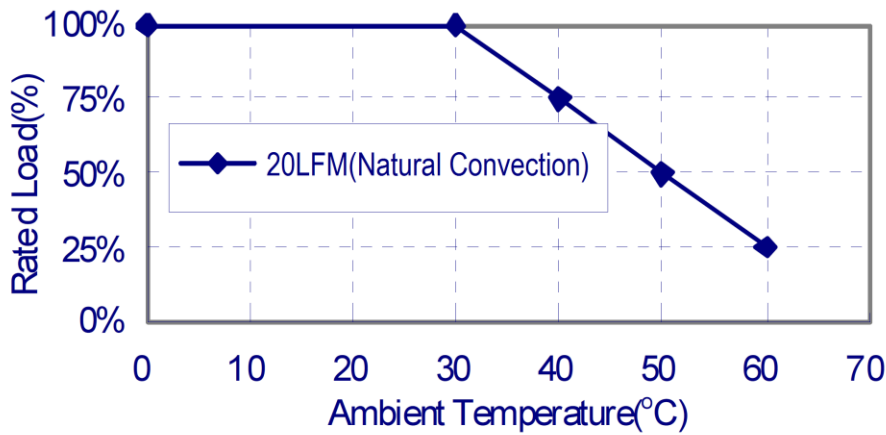
DVC40S12, DVC40S15, DVC40S24, DVC40S30, DVC40S36, DVC40S48
 DVC60S12, DVC60S15, DVC60S24, DVC60S30, DVC60S36, DVC60S48



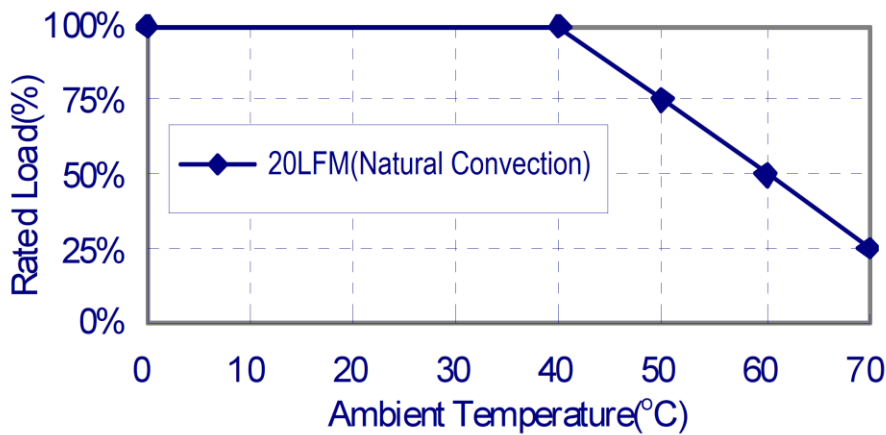
DVC40S12, DVC40S15, VC40S24, DVC40S30, DVC40S36, DVC40S48



DVC40S3,3, DVC40S05, DVC60S3,3, DVC60S05



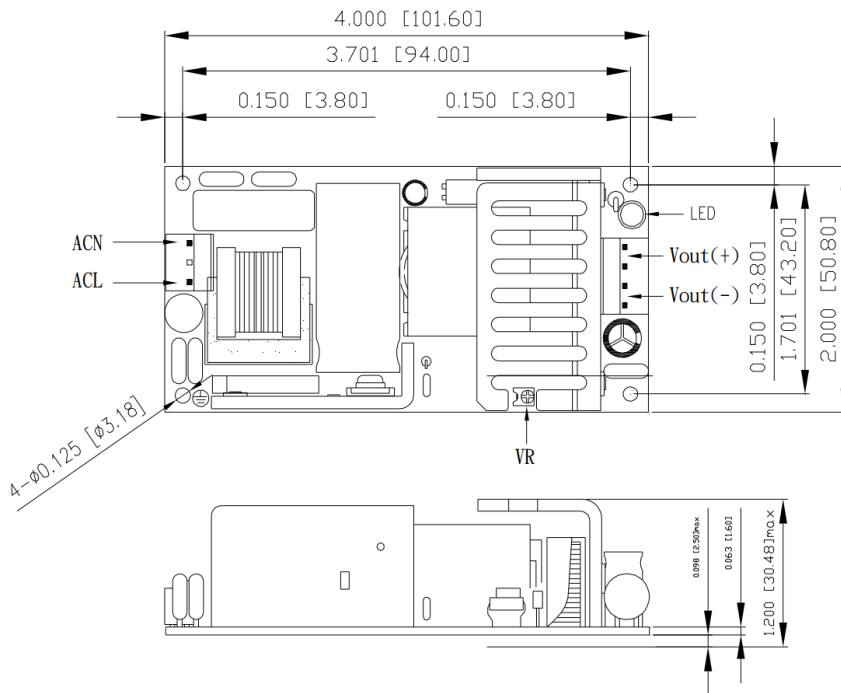
DVC40S09, DVC60S09, DVC60S12, DVC60S15, DVC60S24, DVC60S30, DVC60S36, DVC60S48



Specifications

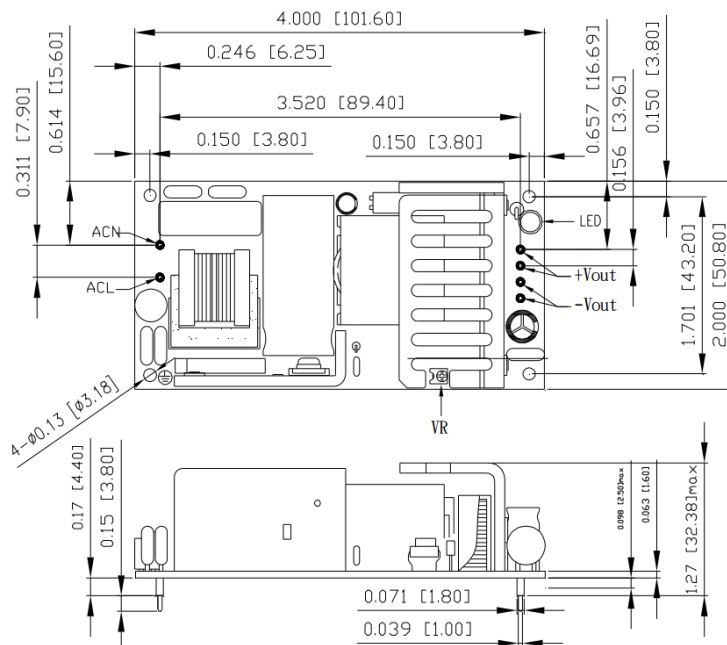
Series DVC40-60

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



DVC40-P/DVC60-P (Pin Version)

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



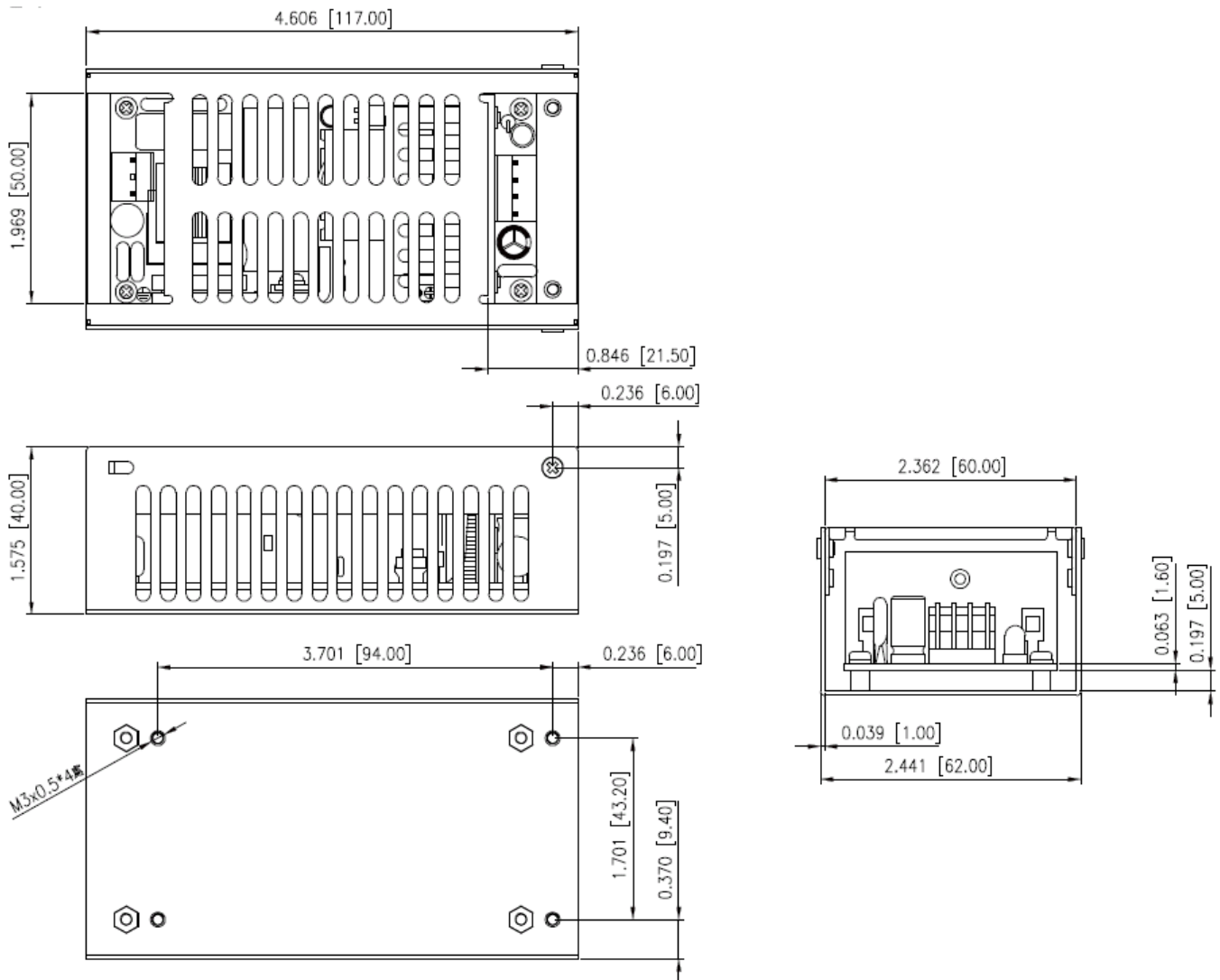
Technische Änderungen vorbehalten / Specifications are subject to change without notice

DVC40-C/DVC60-C (Covered Version)

Series DVC40-60

All Dimensions are in Inches (mm)

Tolerances: $x.xxx \pm 0.02$ ($x.xx \pm 0.5$) unless otherwise noted



Technische Änderungen vorbehalten / Specifications are subject to change without notice