



40 Watt Dual/Triple Output AC/DC Open Frame Series DVC40D-T



Features

- Universal Input: 90 – 264Vac
- 2" x 4" Size
- Short Circuit Protection
- IEC/EN/UL62368-1 Approved
- Industry-Standard Pin Out
- Efficiency to 81% Typical
- Meets EN55032 Class B & CISPR/FCC Class B

MODEL NUMBER	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT MIN. [A]	OUTPUT CURRENT RATED [A]	OUTPUT CURRENT MAX. [A]	RIPPLE [mVp-p]	VOLTAGE ACCUR. [%]	LINE REG. [%]	LOAD REG. [%]	POWER MAX. [W]	EFF. Typ. [%]
DVC40D0512	5V(V1)	0,4	3,2	5,0	50	±3	±1	±3	40	80
	12V(V2)	0,2	2,0	2,5	120	±4	±2	±5		
DVC40D0524	5V(V1)	0,4	3,2	5,0	50	±3	±1	±3	40	81
	24V(V2)	0,2	1,0	1,5	240	±4	±2	±5		
DVC40T051205	5V(V1)	0,4	3,0	5,0	50	±3	±1	±3	40,5	78
	12V(V2)	0,2	2,0	2,5	120	±4	±2	±5		
	-5V(V3)	0	0,3	0,5	50	±3	±1	±1		
DVC40T051212	5V(V1)	0,4	3,0	5,0	50	±3	±1	±3	42,6	78
	12V(V2)	0,2	2,0	2,5	120	±4	±2	±5		
	-12V(V3)	0	0,3	0,5	120	±3	±1	±1		
DVC40T051515	5V(V1)	0,4	3,0	5,0	50	±3	±1	±3	42	78
	15V(V2)	0,2	1,5	2,3	150	±4	±2	±5		
	-15V(V3)	0	0,3	0,5	150	±3	±1	±1		
DVC40T052412	5V(V1)	0,4	3,0	5,0	50	±3	±1	±3	42,6	78
	24V(V2)	0,2	1,0	1,5	240	±4	±2	±5		
	-12V(V3)	0	0,3	0,5	120	±3	±1	±1		
DVC40T052405	5V(V1)	0,4	3,0	5,0	50	±3	±1	±3	40,5	78
	24V(V2)	0,2	1,0	1,5	240	±4	±2	±5		
	-5V(V3)	0	0,3	0,5	50	±3	±1	±1		
DVC40T052412	5V(V1)	0,4	3,0	5,0	50	±3	±1	±3	42,6	78
	24V(V2)	0,2	1,0	1,5	240	±4	±2	±5		
	12V(V3)	0	0,3	0,5	120	±3	±1	±1		
DVC40T3,30512	3,3V(V1)	0,4	5,0	7,0	100	±3	±1	±3	30	71
	5V(V2)	0,2	2,0	3,5	100	±4	±3	±5		
	-12V(V3)	0	0,3	0,5	120	±3	±1	±1		

Note: Please add **-C** for **Covered** Version (DVC40D0512-C)

Technische Änderungen vorbehalten / Specifications are subject to change without notice

INPUT CHARACTERISTICS:

Input Voltage Range.....	90-264Vac
Input Frequency.....	47 to 63Hz
Inrush Current.....	240Vac/60A max.
Input Current.....	1A max. (RMS) @ 115Vac
Leakage Current.....	3,5mA max.

GENERAL SPECIFICATIONS:

Isolation Voltage (Input/Output).....	4242Vdc
Operating Temperature Range.....	0°C to +70°C
Storage Temperature Range.....	-20°C to +85°C
Derating.....	see curve
Humidity.....	93% RH max. non condensing
Cooling.....	Free Air Convection
Switching Frequency.....	62,5KHz typ.
MTBF (MIL-HDBK-217F,GB,at25°C/115VAC).....	200K hrs min.
Altitude.....	2000m

OUTPUT CHARACTERISTICS:

Rated Power for Convection Cooling ..	40W (DVC40T3,30512, 30W)
Maximum Power with 30CFM Forced Air50W (DVC40T3,30512,40W)	
Hold-up Time.....	20mS Typ @ 115Vac
Short Circuit Protection.....	Hiccup Mode (Auto Recover)
Over Voltage Protection.....	3,6-4,6V/5,7-6,7V on V1(3,3V/5V) 120%-140% on V2(12V/15V/24V)
Temperature Coefficient.....	±0,05%/°C

MECHANICAL SPECIFICATIONS:

Dimensions.....DVC40D-T Open frame:.....	101,6 x 50,8 x 27(mm)
	4.000x2.000x1.063 (Inches)
DVC40D-T with Cover:.....	117 x 63 x 47 (mm)
	4.606x2.480x1.850 (inches)
Weight.....DVC40D-T Open frame:.....	180g
DVC40D-T with Cover:.....	220 g

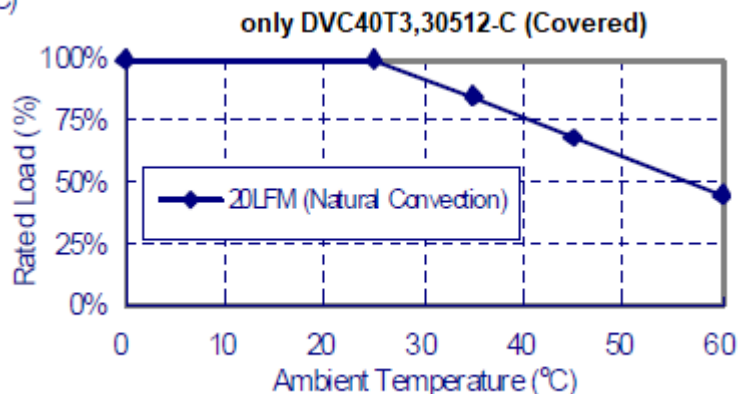
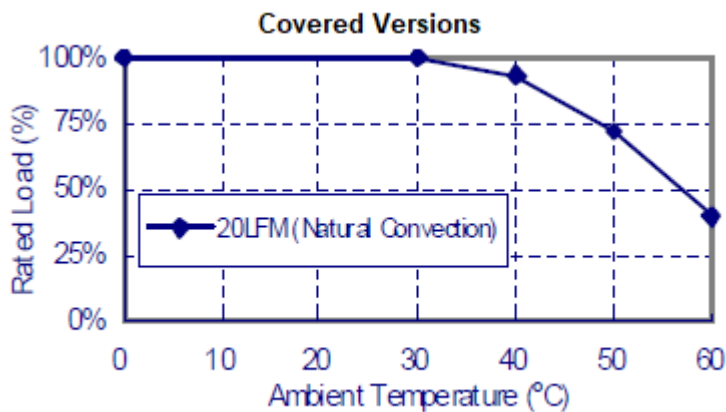
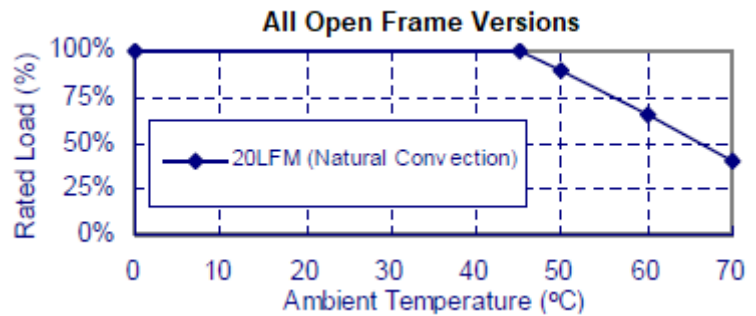
SAFETY & EMC:

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.....	IEC/EN/UL62368-1 / IEC/EN/UL60950-1

NOTE:

1. Voltage accuracy is set at full load and 25°C Ta.
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW. 3. Line regulation is measured from 100Vac to 240Vac with full load.
4. Load regulation is measured from 60% to 100% full load and from 60% to 20% full load (60% ±40% full load)
5. Input connector mates with Molex housing 09-50-3031 and Molex 2878 series crimp terminal.
6. Output connector mates with Molex housing 09-50-3061 and Molex 2878 series crimp terminal.
7. Safety approvals do not apply to the covered versions, only to the open-frame versions.
8. Typical at 25°C, nominal line and 75% load, unless otherwise specified.

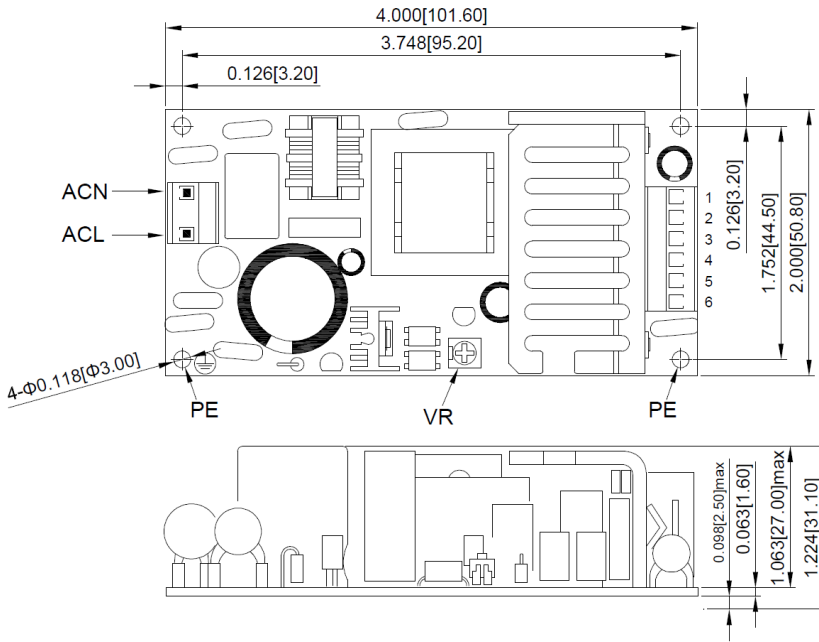
Derating Curve



MECHANICAL SPECIFICATION (Open Frame)

Series DVC40D-T

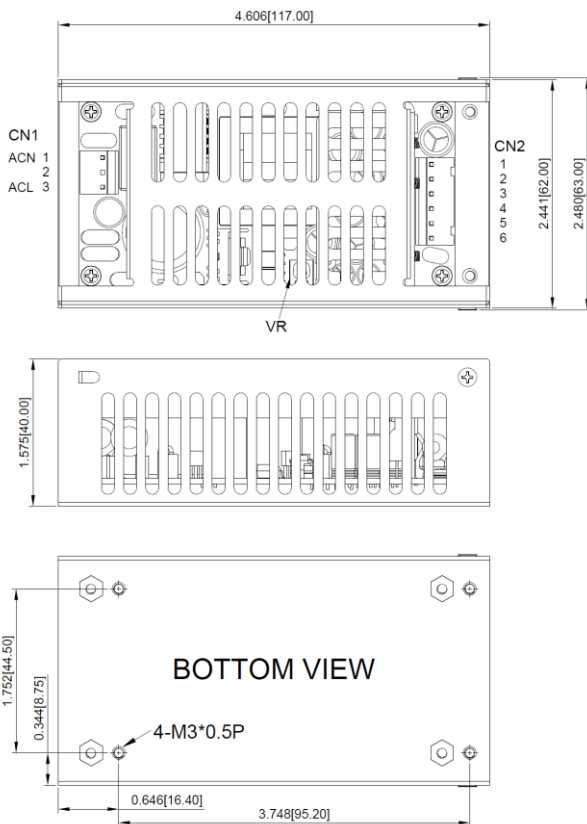
All Dimensions are in Inches (mm)
Tolerances: x.xxx±0.02(x.xx±0.5) unless otherwise noted



PIN CONNECTION	
Pin	Function
1	V2
2	V1
3	V1
4	GND
5	GND
6	V3

MECHANICAL SPECIFICATION (Covered Version)

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



CN1 PIN CONNECTION	
Pin	Function
1	ACN
2	-
3	ACL

CN2 PIN CONNECTION	
Pin	Function
1	V2
2	V1
3	V1
4	GND
5	GND
6	V3

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