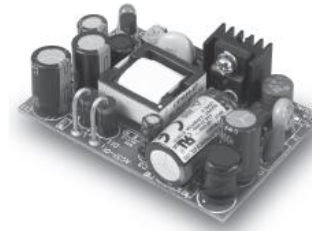




10/15 Watt Open Frame AC/DC Modules Series DVC10/15



Features

- Universal Input Range 85 – 264Vac
- PCB Mountable
- Meets EN55032 Class B
- IEC/EN/UL62368-1 Approved
- Efficiency at 83% Typical
- Leakage Current 0,25mA max.
- Continuous Short Circuit Protection

10 Watt Series

MODEL NUMBER	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT MAX. [mA]	OUTPUT CURRENT MIN. [A]	RIPPLE & NOISE (NOTE 1)	VOLTAGE ACCURACY [%]	LINE REGULATION (NOTE 2) [%]	LOAD REGULATION (NOTE 3) [%]	EFF. (NOTE 4) [%]
DVC10S033-P	3,3	2500	0	50mV	±1	±0,5	±1	67
DVC10S050-P	5	2000	0	1%	±1	±0,5	±1	73
DVC10S090-P	9	1120	0	1%	±1	±0,5	±1	72
DVC10S120-P	12	840	0	1%	±1	±0,5	±1	76
DVC10S150-P	15	670	0	1%	±1	±0,5	±1	76
DVC10S240-P	24	420	0	1%	±1	±0,5	±1	77

15 Watt Series

MODEL NUMBER	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT MAX. [mA]	OUTPUT CURRENT MIN. [A]	RIPPLE & NOISE (NOTE 1)	VOLTAGE ACCURACY [%]	LINE REGULATION (NOTE 2) [%]	LOAD REGULATION (NOTE 3) [%]	EFF. (NOTE 4) [%]
DVC15S033-P	3,3	3000	0	50mV	±1	±0,5	±1	69
DVC15S050-P	5	3000	0	1%	±1	±0,5	±1	74
DVC15S090-P	9	1670	0	1%	±1	±0,5	±1	76
DVC15S120-P	12	1250	0	1%	±1	±0,5	±1	80
DVC15S150-P	15	1000	0	1%	±1	±0,5	±1	81
DVC15S240-P	24	630	0	1%	±1	±0,5	±1	83

Technische Änderungen vorbehalten / Specifications are subject to change without notice

INPUT CHARACTERISTICS:

Input Voltage Range.....85-264Vac
 Input Frequency.....47 to 63Hz
 Inrush Current.....20A max. @ 115Vac / 40A max. @ 230Vac
 Input Current.....100Vac/0,5A max. 240Vac/0,25A max.
 Leakage Current.....0,25mA max.

GENERAL SPECIFICATIONS:

Isolation Voltage (Input/Output).....3000Vac
 Operating Temperature Range.....0°C to +70°C
 Derating.....see Derating Curve
 Storage Temperature Range.....-20°C to +85°C
 Humidity.....93% RH max. non condensing
 Cooling.....Natural Convection
 Switching Frequency.....DVC10: 100KHz / DVC15: 67KHz typ.
 MTBF (MIL-HDBK-217F,GB,at25°C/115VAC).....200K hrs min.
 Altitude.....2000m

OUTPUT CHARACTERISTICS:

Hold-up Time.....16mS Typ @ 115Vac
 Short Circuit Protection.....Hiccup Mode (Auto Recovery)
 Temperature Coefficient.....±0,05%/°C
 Over Temperature Protection.....TVS Component to Clamp

MECHANICAL SPECIFICATIONS:

Dimensions.....DVC10:.....65,00x45,00x23,00 (mm)
 DVC15:.....69,90x48,00x23,00 (mm)
 Weight.....DVC10:.....60g typ.
 DVC15:.....80g typ.

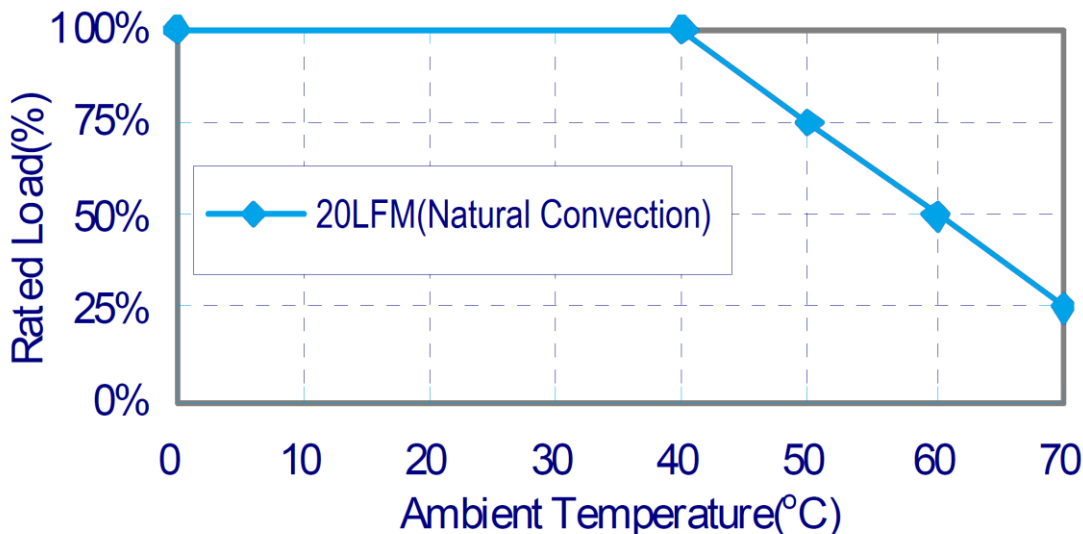
SAFETY & EMC:

Emission & Immunity.....EN55032 Class B
 EN61000-6-3, EN61000-3-2, EN61000-3-3
 EN55024, EN61204-3, EN61000-6-1
 Safety.....IEC62368-1,EN62368-1,UL62368-1
 IEC/EN/UL60950-1

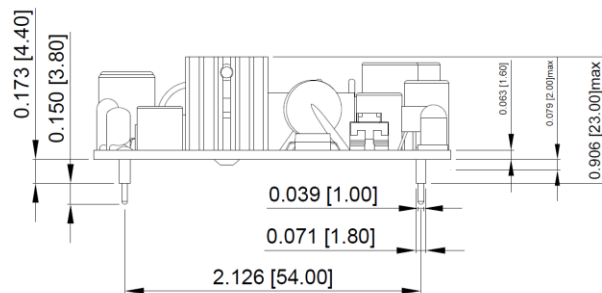
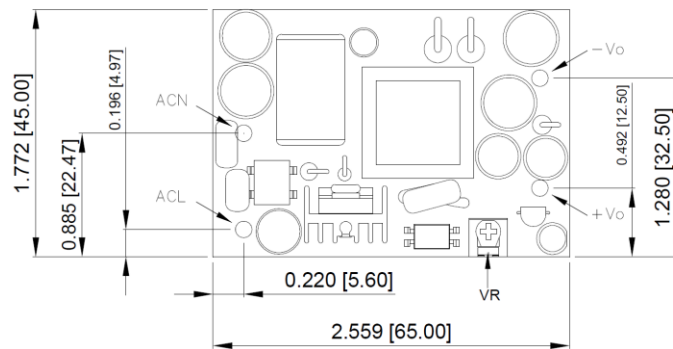
NOTE:

1. Add a 0,1µF ceramic capacitor and a 10 µF 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. Typical efficiency with 230VAC and max. load 25°C.
5. Typical at 25°C, nominal line and 75% load, unless otherwise Specified

DERATING CURVE



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



DVC15-P (Pin Version)

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

