



20 Watt, Regulated AC/DC Modules, PCB mounting Series DVC20-TE



Features

- Universal Input Range 90 – 264Vac
- Size 64,2 x 44,2 (mm)
- Industry-Standard Pin Out
- Continuous Short Circuit Protection
- Safety Approval UL60950-1, IEC60950-1, EN60950-1
- Over Voltage Protection
- High Efficiency 85%
- No Load Input Power < 0,3W
- Leakage Current < 0,1mA

MODEL NUMBER	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT [mA] MAX.	OUTPUT CURRENT [A] MIN.	RIPPLE & NOISE [mV]	VOLTAGE ACCURACY [%]	EFF. [%]	Output Rated POWER [W]
DVC20-03S4000TE	3,3	4000	0	50	±1	75	13,2
DVC20-05S4000TE	5	4000	0	50	±1	80	20,0
DVC20-09S2300TE	9	2300	0	90	±1	81	20,7
DVC20-12S1700TE	12	1700	0	100	±1	83	20,4
DVC20-15S1400TE	15	1400	0	100	±1	84	21,0
DVC20-24S900TE	24	900	0	100	±1	85	21,6

INPUT CHARACTERISTICS:

Input Voltage Range.....	90-264Vac
Inrush Current (Cold start @ 25°C).....	40A Max. @ 230Vac
Input Frequency	47 to 63Hz
Leakage Current.....	0,1 mA max.
Input Current	0,3 to 0,5A

GENERAL CHARACTERISTICS:

Efficiency.....	see table
Switching Frequency	100KHz typ.
Isolation Input/Output	5656VDC
Operating Temperature Range.....	-25°C to +70°C
Derating	see curve
Storage Temperature Range	-40°C to +85°C
Cooling.....	Natural Convection
Humidity	93% RH max. non condensing
MTBF (MIL-STD-217F, GB).....	650K hrs min.

OUTPUT CHARACTERISTICS:

Voltage Accuracy	±1,0% max.
Line Regulation (note3).....	±0,5% max.
Load Regulation (note4).....	±1,0% max.
Hold-up Time Note1	10ms typ @ 115Vac
Short Circuit Protection.....	Continuous
Over Voltage Protection (TVS)	115%-140% of nominal output volt.

SAFETY & EMISSION:

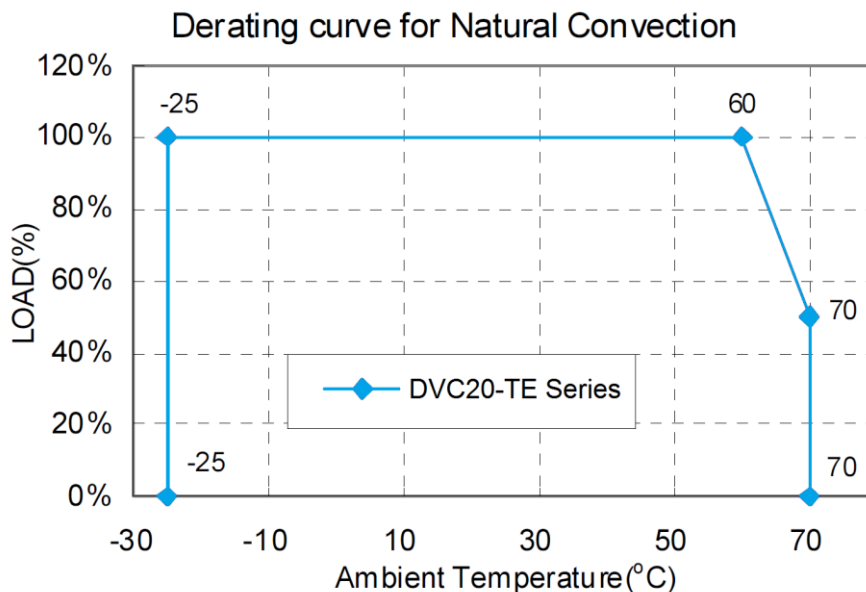
CE	2004/108/EC, 93/42/EEC
Emission	EN60601-1/EN61204-3/ EN55022/CISPR Class B,EN55024
Safety Approval.....	UL60950-1, IEC60950-1, EN60950-1

MECHANICAL SPECIFICATIONS:

Dimensions	64,2x44,2x20,4 (mm)
Weight.....	105 g

NOTE:

1. Voltage Accuracy is set of 100% rated load.
2. Add a 0,1µF ceramic capacitor and a 10 µF E.L. capacitor to output for Ripple & Noise Measuring @ 20MHz BW.
3. Line Regulation is Measured from High Line to Low Line with Full Load.
4. Load Regulation is Measured from Full to 10% load.
5. Typical at 25°C, nominal line and 75% load, unless otherwise Specified.



Unit: mm [inch]

Tolerance: Inches: x.xx=±0.02, x.xxx=±0.010

Millimeters: x.x=±0.5, x.xx=±0.25

