

TECHNICAL DATA
DATA SHEET 1231, REV. -**DC-DC Converters****Wide Input (2:1), 500V Isolation, Regulated, Single Output****FEATURES:**

- Isolation Voltage: 500Vdc
- Isolation Resistance (1): >10MW
- Short-Circuit Duration: Continuous
- Max. Case Temperature: +85° C
- Cooling Method: Free-Air Cooling
- Operating Temp.: -25° C ~ + 70° C
- Storage Temp.: -40° C ~ + 105° C
- Humidity: $\leq$ 90%
- Soldering Temp. (2): 300° C
- Case Material: Non-Flammable Material (UL94-V0)
- Mean Time Before Failure: > 200,000 hours (Operating Temp. 25° C)

W-10W Single Output Series Input Characteristics

Part Number	Nominal Input Voltage	Input Voltage Range	Maximum Input Voltage*
W12XXHD10	12Vdc	9~18Vdc	22Vdc
W24XXHD10	24Vdc	18~36Vdc	40Vdc
W48XXHD10	48Vdc	36~72Vdc	80Vdc

* Voltage above this value may cause permanent damage to the device.

W-10W Single Output Series Output Characteristics

Parameter	MIN	TYP	MAX	Units
Output Power	-	-	10	W
Output Voltage Accuracy	-	-	± 3	%
Load Regulation	-		± 0.5	%
Temperature Coefficient	-		± 0.02	%/°C
Switching Frequency at 100% Load	-	-	300	kHz

1. All specifications at TA=25°C, 75% of the humidity, Nominal input voltage, full output load unless otherwise specified.
2. Soldering for 10 seconds at 1.5mm away from the edge.

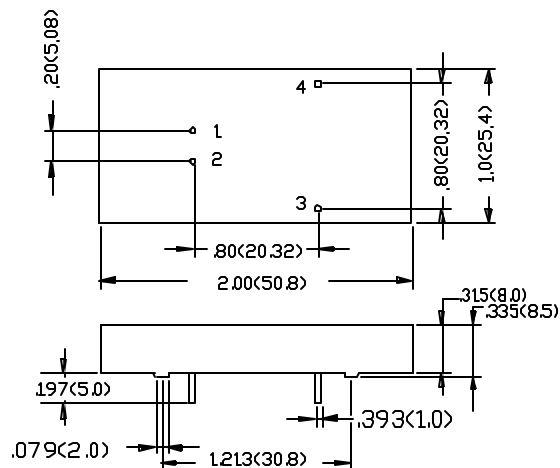
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W-10W Single Output Series Part Number List

Input	Output	Power	Ripple & Noise	Efficiency	Single-10W
12Vdc	3.3V/250mA 5V/200mA 12V/83mA 15V/67mA	10W	50 mVp-p	75 %	W1203HD8
			50 mVp-p	80 %	W1205HD10
			100 mVp-p	82 %	W1212HD10
			100 mVp-p	82 %	W1215HD10
24Vdc			50 mVp-p	78 %	W2403HD10
			50 mVp-p	82 %	W2405HD10
			100 mVp-p	84 %	W2412HD10
			100 mVp-p	84 %	W2415HD10
48Vdc			50 mVp-p	80 %	W4803HD10
			50 mVp-p	84 %	W4805HD10
			100 mVp-p	85 %	W4812HD10
			100 mVp-p	87 %	W4815HD10

Mechanical Dimensions: in inch/(mm)

WxxyyHD10 PACKAGE DIMENTIONS



PIN CONFIGURATION

Pin	Function
	WxxyyHD10
1	+Vin
2	-Vin
3	-Vout
4	+Vout