

TECHNICAL DATA
DATA SHEET 1233, 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. 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-15W Single Output Series Input Characteristics

Part Number	Nominal Input Voltage	Input Voltage Range	Maximum Input Voltage*
W12XXHD15	12Vdc	9~18Vdc	22Vdc
W24XXHD15	24Vdc	18~36Vdc	40Vdc
W48XXHD15	48Vdc	36~72Vdc	80Vdc

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

W-15W Single Output Series Output Characteristics

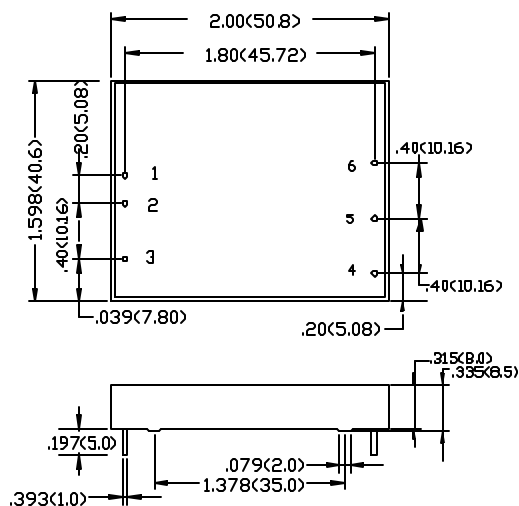
Parameter	MIN	TYP	MAX	Units
Output Power	-	-	15	W
Output Voltage Accuracy	-	-	± 1	%
Load Regulation	-		± 0.5	%
Temperature Coefficient	-		± 0.02	%/°C
Ripple and Noise	50	100	200	mVp-p
Switching Frequency at 100% Load	-	-	300	kHz

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.

W-15W Single Output Series Part Number List

Input	Output	Power	Ripple & Noise	Efficiency	Single-15W
12Vdc	3.3V/300mA	15W	50 mVp-p	75 %	W1203HD10
	5V/300mA		50 mVp-p	80 %	W1205HD15
	12V/125mA		100 mVp-p	82 %	W1212HD15
	15V/100mA		100 mVp-p	82 %	W1215HD15
24Vdc	3.3V/300mA		50 mVp-p	76 %	W2403HD15
	5V/300mA		50 mVp-p	80 %	W2405HD15
	12V/125mA		100 mVp-p	83 %	W2412HD15
	15V/100mA		100 mVp-p	83 %	W2415HD15
	24V/62.5mA		200 mVp-p	80 %	W2424HD15
48Vdc	3.3V/300mA		50 mVp-p	76 %	W4803HD15
	5V/300mA		50 mVp-p	81 %	W4805HD15
	12V/125mA		100 mVp-p	84 %	W4812HD15
	15V/100mA	100 mVp-p	84 %	W4815HD15	
	24V/62.5mA	200 mVp-p	82 %	W4824HD15	

PIN CONFIGURATION



Pin	Function
	WxxyyHD15
1	+Vin
2	-Vin
3	CLT
4	TRM
5	COM
6	+Vout