

TECHNICAL DATA
DATA SHEET 1232, REV. -**DC-DC Converters**
Wide Input (2:1), 500V Isolation, Regulated, Dual Output**FEATURES:**

- Isolation Voltage: 500Vdc
- Isolation Resistance (1): >10MW
- Short-Circuit Duration: Continuous
- Max. Temperature Rise: +85° C
- Cooling Method: Free-Air Cooling
- Operating Temp.: -25° C ~ + 70° C
- Storage Temp.: -40° C ~ + 105° C
- Humidity: ≤ 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 Dual Output Series Input Characteristics

Part Number	Nominal Input Voltage	Input Voltage Range	Maximum Input Voltage*
W12XXGD10	12Vdc	9~18Vdc	22Vdc
W24XXGD10	24Vdc	18~36Vdc	40Vdc
W48XXGD10	48Vdc	36~72Vdc	80Vdc

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

W-10W Dual Output Series Output Characteristics

Parameter	MIN	TYP	MAX	Units
Output Power	-	-	10	W
Output Voltage Accuracy	-	± 1	± 3	%
Load Regulation	-		± 0.5	%
Temperature Coefficient	-		± 0.02	%/°C
Ripple & Noise	50	-	100	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.

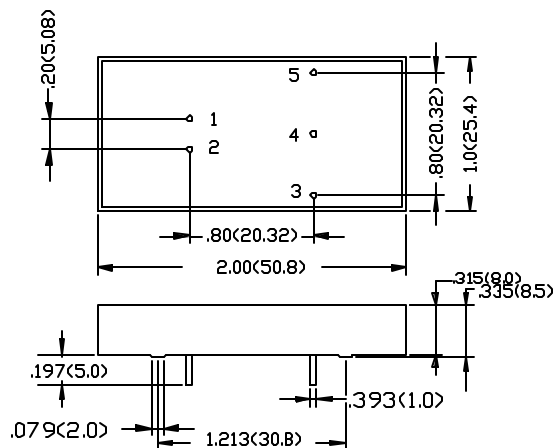
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W-10W Dual Output Series Part Number List

Input	Output	Power	Ripple & Noise	Efficiency	Dual-10W
12Vdc	± 5V/100mA ± 12V/42mA ± 15V/34mA	10W	50 mVp-p	80 %	W1205GD10
			100 mVp-p	82 %	W1212GD10
			100 mVp-p	82 %	W1215GD10
24Vdc			50 mVp-p	80 %	W2405GD10
			100 mVp-p	83 %	W2412GD10
			100 mVp-p	83 %	W2415GD10
48Vdc			50 mVp-p	84 %	W4805GD10
			100 mVp-p	86 %	W4812GD10
			100 mVp-p	86 %	W4815GD10

Mechanical Dimensions: in inch (mm)

WxxyyGD10 PACKAGE DIMENTIONS



PIN CONFIGURATION

Pin	Function
	WxxyyGD10
1	+Vin
2	-Vin
3	-Vout
4	COM
5	+Vout