

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

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.



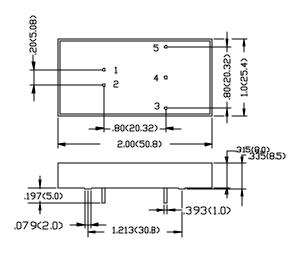
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W-10W Dual Output Series Part Number List

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



TECHNICAL DATA

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