

TECHNICAL DATA
DATA SHEET 1235, REV. -**DC-DC Converters**
Wide Input (2:1), 1500V Isolation, Regulated, Dual Output**FEATURES:**

- **Isolation Voltage:** 1500Vdc
- **Isolation Resistance (1):** 1G Ω
- **Short-Circuit Duration:** Continuous
- **Case Temperature Rise:** Max. 25°C, Typ. 15°C
- **Cooling Method:** Free-Air Cooling
- **Operating Temp.:** -40°C ~ + 85°C
- **Storage Temp.:** -50°C ~ + 125°C
- **Humidity:** $\leq$ 95%
- **Soldering Temp. (2):** 300°C
- **Case Material:** Non-Flammable Material (UL94-V0)
- **Mean Time Before Failure:** > 1,000,000 hours (Operating Temp. 25°C)

W-SMD-2W/3W Series Input Characteristics

Part Number	Nominal Input Voltage	Input Voltage Range	Maximum Input Voltage*
W12XXGT2/3	12Vdc	9~18Vdc	18Vdc
W24XXGT2/3	24Vdc	18~36Vdc	36Vdc
W48XXGT2/3	48Vdc	36~75Vdc	75Vdc

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

W-SMD-2W/3W Series Output Characteristics

Parameter	MIN	TYP	MAX	Units
Output Power			3	W
Output Voltage Accuracy		± 1	± 3	%
Efficiency at 25% Load	60	65	70	%
Efficiency at 100% Load	65	75	83	%
Voltage Regulation		0.1	0.2	%
Load Regulation (+Vo)		0.2	0.5	%
Load Regulation (-Vo)		3	5	%
Temperature Coefficient			0.02	%/°C
Ripple		10	20	MVp-p
Noise		50	100	MVp-p
Switching Frequency at 100% Load	80		200	kHz
Switching Frequency at 25% Load	250		550	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.

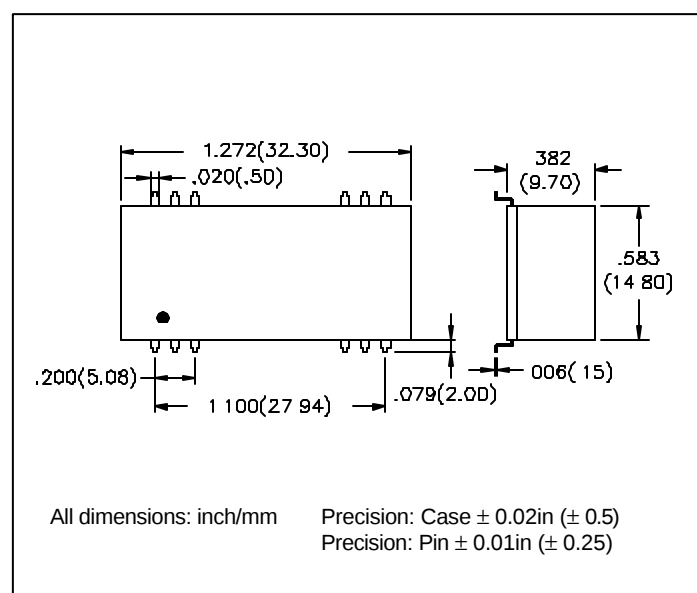
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W-SMD-2W/3W Series Part Number List

Input	Output	Power	Dual-2W	Dual-3W
12Vdc	± 5V/200mA	2W 3W	W1205GT2	W1205GT3
			W1212GT2	W1212GT3
			W1215GT2	W1215GT3
24Vdc	± 12V/111mA		W2405GT2	W2405GT3
	± 15V/83mA		W2412GT2	W2412GT3
	± 5V/300mA		W2415GT2	W2415GT3
48Vdc	± 12V/125mA		W4805GT2	W4805GT3
	± 15V/100mA		W4812GT2	W4812GT3
			W4815GT2	W4815GT3

Mechanical Dimensions

WxxyyGT2/3 PACKAGE DIMENTIONS



PIN CONFIGURATION

Pin	Function
	WxxyyGT2/3
1	GND
2	GND
3	NC
10	CMN
11	NC
12	-Vo
13	+Vo
14	NC
15	CMN
22	NC
23	Vin
24	Vin