

TECHNICAL DATA
DATA SHEET 1113, REV. -**DC-DC Converters**
Wide Input (2:1), 1000V Isolation, Regulated**FEATURES:**

- Isolation Voltage (Vin & Vo): 1000Vdc
- Isolation Voltage (Vo1 & Vo2): 1000Vdc
- 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: > 580,000 hours (Operating Temp. 25°C)

W-SMD-1W Series Input Characteristics

Part Number	Nominal Input Voltage	Input Voltage Range	Maximum Input Voltage*
W24XXGT1	24Vdc	18~36Vdc	40Vdc
W48XXGT1	48Vdc	36~72Vdc	80Vdc

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

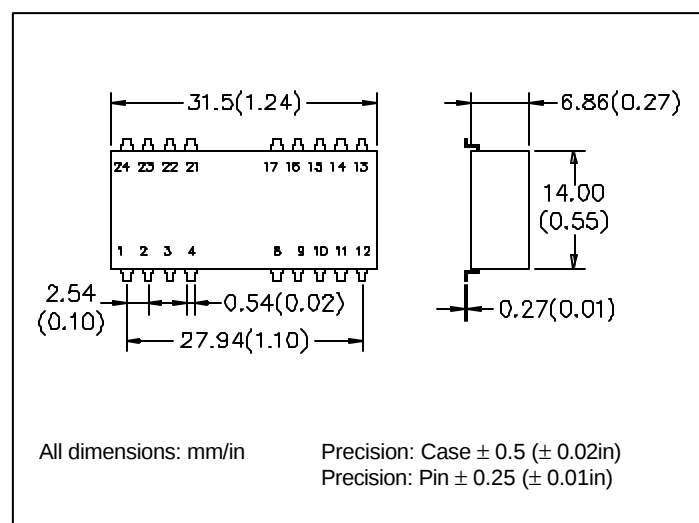
W-SMD-1W Series Output Characteristics

Parameter	MIN	TYP	MAX	Units
Output Power	-	-	1	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 (Vo1)	-	0.2	0.5	%
Load Regulation (Vo2)	-	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.

TECHNICAL DATA
DATA SHEET 1113, REV. -**W-SMD-1W Series Part Number List**

Input	Output	Power	Dual-1W
24Vdc	$\pm 5\text{V}/100\text{mA}$ $\pm 9\text{V}/55\text{mA}$	1W	W2405GT1 W2409GT1 W2412GT1 W2415GT1
48Vdc	$\pm 12\text{V}/42\text{mA}$ $\pm 15\text{V}/33\text{mA}$		W4805GT1 W4809GT1 W4812GT1 W4815GT1

Mechanical Dimensions: in inches / mm**WxxyyGT1 PACKAGE DIMENTIONS****PIN CONFIGURATION**

Pin	Function
	WxxyyGT1
Other	NC
2,3	GND
22, 23	Vin
14	+Vo
16	0V
11	-Vo
9	0V
21	CTL