SERIES UWC
UNIVERSAL AC-DC SWITCHING POWER SUPPLIES

Hi Reliability
Industrial Grade
Input Voltage (85 - 265V AC, 47 - 440Hz)
Isolated 1500 VRMS
Fully Regulated - Up to 20 Watts
Short Circuit Protected

This series of switching AC-DC power supplies are available in 26 different models. All single and dual outputs are isolated and offer excellent line and load regulation. These units have continuous short circuit protection and will operate from -25°C to +70°C ambient. The Hi Reliability UWC Series, up to 20 Watts, is the design choice for your most stringent industrial applications.

Typical Characteristics:
- **Excellent Line Regulation:** ±1% (85 - 265V AC)
- **Excellent Load Regulation:** 10% to 100%, ±2%
- **Continuous Short Circuit Protection**
- **Encapsulated Semiconductors:** Conservatively rated for maximum reliability
- **Isolation:** 1500VRMS
- **Wide Input Range:** 85 - 265V AC, 47 - 440Hz

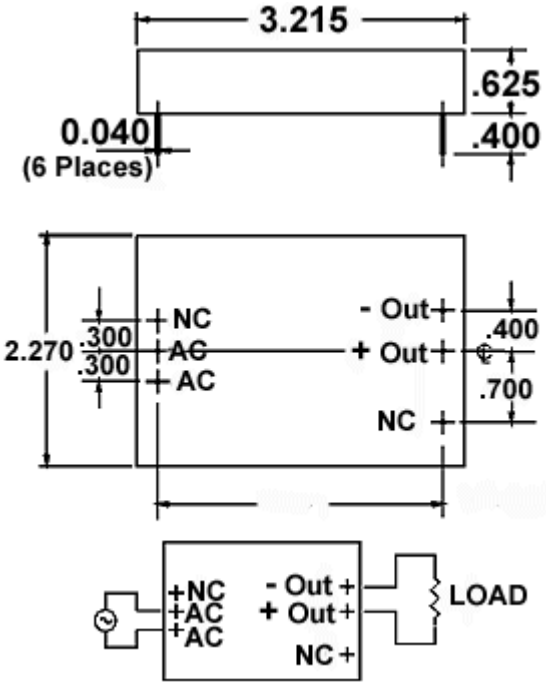
Features:
- **Test Conditions:** 25°Ambient
- **Input Voltage:** 85 - 265V AC, 47 -440Hz
- **Converter Frequency:** 100KHz
- **Operating Temperature:** -25°C to +70°C ambient
- **Storage Temperature:** -55°C to +105°C
- **Output Voltage Temperature Coefficient:** 0.02% per °C
- **Expanded Operating Temperature:** Consult Factory

SERIES UWC - SINGLE OUTPUT - 20 WATTS MAX.

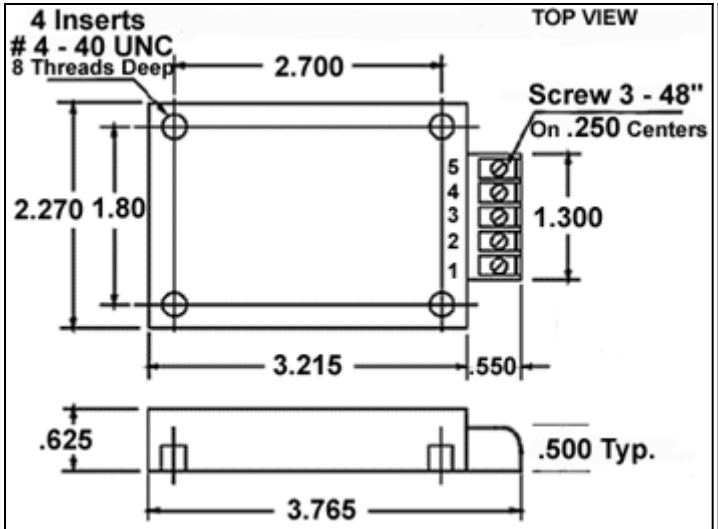
PICO PART NUMBER	OUTPUT VOLTAGE (VDC)	MAX. LOAD CURRENT (mA)	MAX. OUTPUT POWER (watts)	EFF. @ FULL LOAD TYPICAL (%)*	OUTPUT VOLTAGE Tolerance (±%)*	LOAD Regulation 10%-100% LOAD (±%)**	LINE Regulation @ FULL LOAD	OUTPUT VOLTAGE RIPPLE TYPCIAL (mv p-p)*	PRICE (US $)	Terminal STRIP TUWC PRICE (US $) ****
UWC3.3S	3.3	3030	10	72	2	2	1	150	181.96	200.85
UWC5S	5	3000	15	74	2	2	1	200	181.96	200.85
UWC5.2S	5.2	2885	15	74	2	2	1	200	181.96	200.85
UWC12S	12	1660	20	80	2	2	1	200	181.96	200.85
UWC15S	15	1330	20	80	2	2	1	200	181.96	200.85
UWC24S	24	833	20	84	1	1	1	200	181.96	200.85
UWC28S	28	714	20	84	1	1	1	200	181.96	200.85
UWC48S	48	416	20	84	1	1	1	400	181.96	200.85

*Measurements taken at 115V AC at 60Hz
**10% minimum load required at all times
****For Terminal Strip Models, begin part number with letter T

SERIES UWC SINGLE OUTPUT	SERIES TUWC SINGLE OUTPUT	



NOTE: NC = No Connection
WEIGHT: 130 Grams Typical



Bottom View
NOTE: The recommended torque for mounting is 3 to 5 In-Lbs.
WEIGHT: 130 Grams Typical
Measurements are in Inches

Pin #	Single
1	AC IN
2	AC IN
3	N.C.
4	- OUTPUT
5	+ OUTPUT

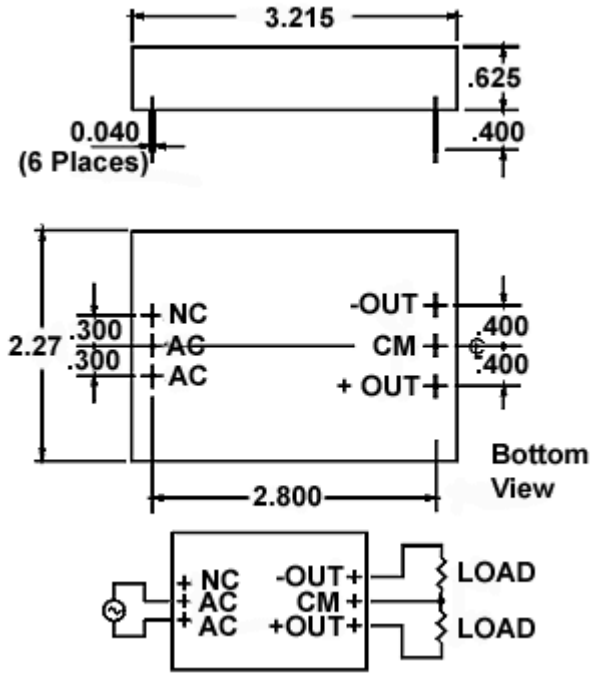
SERIES UWC - DUAL OUTPUT - 20 WATTS MAX

PICO PART NUMBER	OUTPUT VOLTAGE (VDC)	MAX. LOAD CURRENT PER OUTPUT (mA)	MAX. OUTPUT POWER PER OUTPUT (watts)	EFF. @ FULL LOAD TYPICAL (%)*	OUTPUT VOLTAGE Tolerance (±%)*	LOAD Regulation 10%-100% LOAD *** (±%)**	LINE Regulation @ FULL LOAD	OUTPUT VOLTAGE RIPPLE TYPICAL (mv p-p)*	PRICE (US $)	Terminal STRIP TUWC PRICE (US $) ****
UWC5D	±5	1500	7.5	74	2	2	1	200	200.29	219.18
UWC12D	±12	830	10	78	2	2	1	150	200.29	219.18

UWC15D	±15	665	10	78	2	2	1	150	200.29	219.18
UWC24D	±24	417	10	80	2	2	1	150	200.29	219.18
UWC28D	±28	357	10	80	2	2	1	150	200.29	219.18

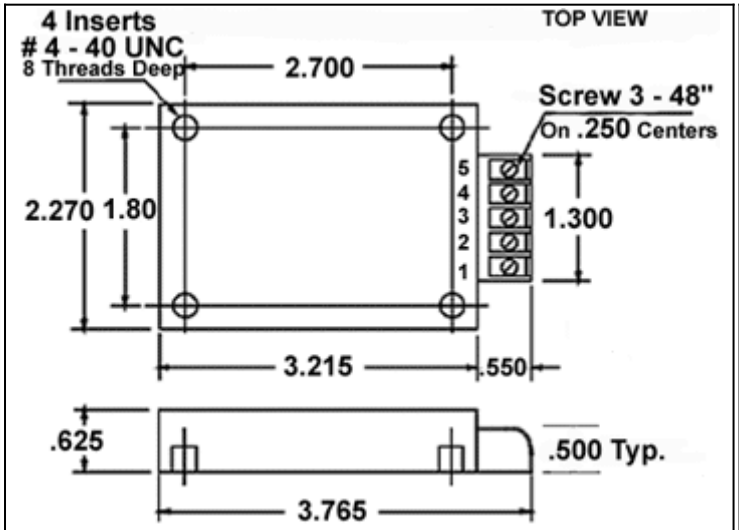
*Measurements taken at 115V AC at 60Hz
**10% minimum load required at all times
***Balanced loads
****For Terminal Strip Models, begin part number with letter T

SERIES UWC DUAL OUTPUT



NOTE: NC=No Connection
WEIGHT: 130 Grams Typical

SERIES TUWC DUAL OUTPUT



Front View

NOTE: The recommended torque for mounting screws is 3 to 5 In-Lbs.

Weight: 130 Grams Typical
Measurements are in Inches

Pin #	DUAL
1	AC IN
2	AC IN
3	- OUTPUT
4	COMMON
5	+ OUTPUT

Call Toll Free: 800-431-1064

PICO Electronics, Inc.
143 Sparks Avenue
Pelham, N.Y. 10803

Tel: 914-738-1400
Fax: 914-738-8225