

## Series LAC-TLAC

### Hi Reliability Isolated Regulated AC-DC Linear Modules

#### Typical Characteristics

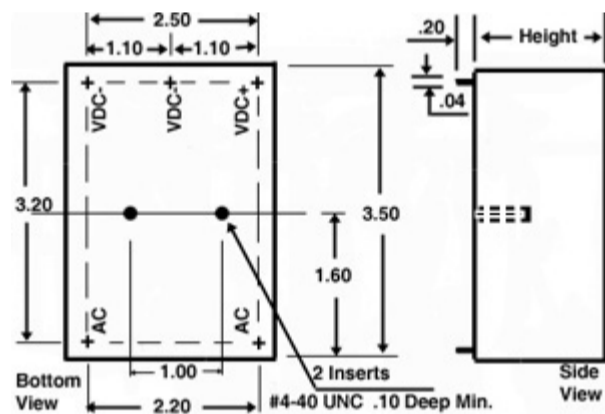
Test Conditions: 25° C ambient  
 Input Voltage: 105-125 VAC  
 Input Frequency: 50-440 Hz  
 Line/Load Regulation: Consult chart  
 Output Voltage Tolerance: ±1%  
 Operating Temperature: -25° C to +70° C  
 Output Voltage Temperature Coefficient: 0.02%/°C  
 Storage Temperature: -55° C. to +85° C  
 Typical Isolation: 100 megohms  
 Short Circuit Protection: Continuous

#### Features

- Terminal Strips available - TLAC
- Low output ripple = 1 to 2 mV RMS
- Encapsulated semiconductors, conservatively rated for maximum reliability
- Excellent voltage regulation
- Excellent load regulation
- Up to 10 watts output power at 70° C ambient
- Typical isolation: 100 megohms
- Single, dual, and triple outputs
- No heat sink required
- No output capacitor required

This series of linear AC to DC Power Supplies are available in 46 different models. All single, dual, and triple output models offer excellent line and load regulation while maintaining the output voltage ripple at a minimum. Continuous short circuit protection and isolation are also standard on all models. The convenience of PC mounting, with mounting inserts, allow the use of this encapsulated unit in harsh environments, and the TLAC models offer a terminal strip for easy electrical connection.

#### LAC SERIES - SINGLE OUTPUT

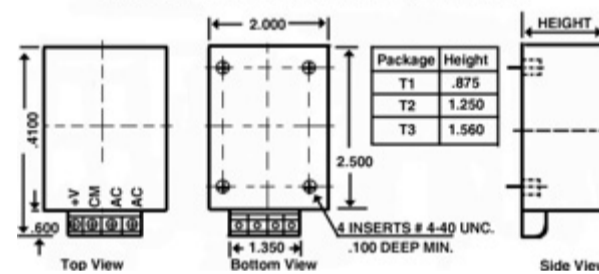


Note: The torque for mounting screws must be 3 to 5 In-Lbs

PACKAGE	HEIGHT
L1	.875
L2	1.250
L3	1.560

[Larger Size Drawing \[1\]](#)

#### TLAC SERIES SINGLE OUTPUT



Note: The torque for mounting screws must be 3 to 5 In-Lbs

Bottom View  
[Larger Size Drawing \[2\]](#)

**TYPICAL WEIGHT:**  
 L1/T1 - 340 Grams  
 L2/T2 - 490 Grams  
 L2/T2 - 605 Grams

## SERIES LAC-TLAC SINGLE OUTPUT

Pico Part No.		Output Voltage VDC	Max. Load Current mA	Max. Output Power (watts)	* Out Volt Tolerance ( $\pm\%$ )*	V Ld. Reg Load	Line Regulation	Output Voltage Ripple @ Full Load mv rms	Package Number		Height Inch	L Pkg Price (US \$)	T Pkg Price (US \$)
LAC5/500S	TLAC5/500S	5	500	2.5	1.0	0.2	0.05	1	L1	T1	0.875	252.53	308.04
LAC5/1000S	TLAC5/1000S	5	1000	5.0	1.0	0.2	0.05	1	L2	T2	1.250	324.69	380.19
LAC5/2000S	TLAC5/2000S	5	2000	10	1.0	0.2	0.05	1	L3	T3	1.560	441.24	496.74
LAC12/120S	TLAC12/120S	12	120	1.44	1.0	0.1	0.10	1	L1	T1	0.875	255.31	310.81
LAC12/200S	TLAC12/200S	12	200	2.4	1.0	0.1	0.10	1	L2	T2	1.250	274.73	330.24
LAC12/500S	TLAC12/500S	12	500	6.0	1.0	0.1	0.10	1	L3	T3	1.560	291.38	346.89
LAC15/120S	TLAC15/120S	15	120	1.8	1.0	0.1	0.10	1	L1	T1	0.875	208.13	263.63
LAC15/200S	TLAC15/200S	15	200	3.0	1.0	0.1	0.10	1	L2	T2	1.250	249.76	305.26
LAC15/500S	TLAC15/500S	15	500	7.5	1.0	0.1	0.10	1	L3	T3	1.560	313.59	369.09
LAC24/100S	TLAC24/100S	24	100	2.4	1.0	0.1	0.10	1	L1	T1	0.875	246.69	302.49
LAC24/300S	TLAC24/300S	24	300	7.2	1.0	0.1	0.10	1	L3	T3	1.560	302.49	357.99

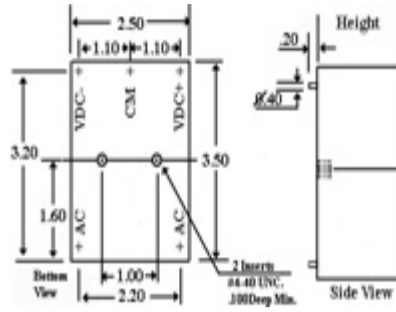
\*Measurements taken at 115VAC-60Hz

### SERIES LAC-TLAC DUAL OUTPUT

Pico Part No.		Output Voltage VDC per output	Max. Load Current mA per output	Max. Output Power (watts) per output	Out Volt Tolerance ( $\pm\%$ )*	V Ld. Reg Load	Line Regulation	Output Voltage Ripple @ Full Load mv rms	Package Number		Height Inch	L Pkg Price (US \$)	T Pkg Price (US \$)
LAC5/200D	TLAC5/200D	$\pm 5$	200	1.0	1%	0.1%	0.05%	1	L2	T2	1.250	333.01	388.51
LAC5/300D	TLAC5/300D	$\pm 5$	300	1.5	1%	0.1%	0.05%	1	L3	T3	1.560	346.89	402.39
LAC12/100D	TLAC12/100D	$\pm 12$	100	1.2	1%	0.1%	0.02%	1	L1	T1	0.875	248.06	338.56
LAC12/300D	TLAC12/300D	$\pm 12$	300	3.6	1%	0.1%	0.02%	1	L3	T3	1.560	346.89	402.39
LAC15/100D	TLAC15/100D	$\pm 15$	100	1.5	1%	0.1%	0.02%	1	L1	T1	0.875	346.89	402.39
LAC15/300D	TLAC15/300D	$\pm 15$	300	4.5	1%	0.1%	0.02%	1	L3	T3	1.560	413.49	468.99
LAC24/100D	TLAC24/100D	$\pm 24$	100	2.4	1%	0.2%	0.01%	1	L2	T2	1.250	374.64	430.14
LAC24/200D	TLAC24/200D	$\pm 24$	200	4.8	1%	0.2%	0.01%	1	L3	T3	1.560	435.69	491.19

\*Measurements taken at 115VAC-60Hz

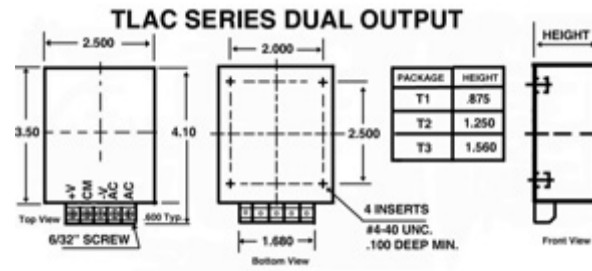
**LAC SERIES - DUAL OUTPUT**



**NOTE: The torque for mounting screws must be 3 to 5 In-Lbs**

PACKAGE	HEIGHT
L1	.875
L2	1.250
L3	1.560

[Larger Size Drawing \[3\]](#)



Note: The torque for mounting screws must be 3 to 5 In-Lbs

Bottom View  
Larger Size Drawing [4]

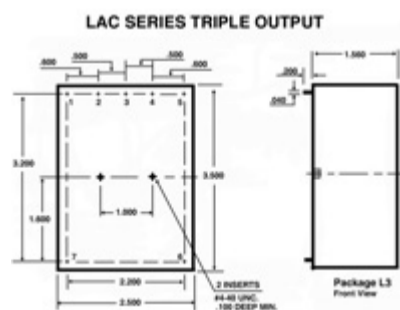
**TYPICAL WEIGHT**

- L1/T1 - 340 Grams
- L2/T2 - 490 Grams
- L3/T3 - 605 Grams

**SERIES LAC-TLAC TRIPLE OUTPUT**

Pico Part No.	Main Output Voltage						Auxiliary Output Voltage					Package Number	Ht. Inch	L Pkg Price (US \$)	T Pkg Price (US \$)	
	Out Volt. DC Out	Max. Load Current mA	Max. Output Power (watts) Output	V Ld. Reg Load %	Output Voltage Ripple @ Full Load mv rms	Output Voltage DC per Output	Max. Load Current mA per Output	Max. Output Power (watts) per Output	Volt Load Reg Load %	Output Voltage Ripple @ Full Load mv rms						
LAC512A	TLAC512A	5	250	1.25	0.2	1.0	±12	120	1.44	0.1	1.0	L3	T3	1.56	468.99	524.
LAC512B	TLAC512B	5	500	2.5	0.2	1.0	±12	120	1.44	0.1	1.0	L3	T3	1.56	491.19	546.
LAC515A	TLAC515A	5	250	1.25	0.2	1.0	±15	100	1.50	0.1	1.0	L3	T3	1.56	474.54	530.
LAC515B	TLAC515B	5	500	2.5	0.2	1.0	±15	100	1.50	0.1	1.0	L3	T3	1.56	510.62	566.
Common Characteristics Main Output Voltage Tolerance ± 0.5% * Main Line Regulation ± 0.2%						Common Characteristics Auxiliary Output Voltage Tolerance ± 0.5% * Auxiliary Line Regulation ± 0.2%					*Measurements taken at 115VAC-60Hz					

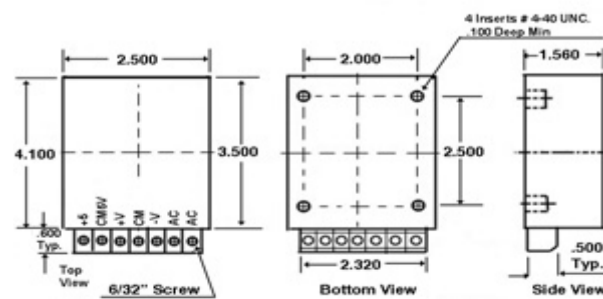
PIN NO.	TRIPLE
1	-Output (Aux.)
2	-Output (Main)
3	CM (Aux.)
4	+Output (Main)
5	+Output (Aux.)
6	AC
7	AC



**NOTE: The torque for mounting screws must be 3 to 5 IN-Lbs**

Bottom View  
Larger Size Drawing [5]

**TLAC SERIES TRIPLE OUTPUT**



**NOTE: The torque for mounting screws must be 3 to 5 IN-Lbs**

Bottom View  
Larger Size Drawing [6]

TYPICAL WEIGHT -- 605 Grams

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For immediate engineering assistance or to place an order:

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