

## Miniature 400Hz Power Transformers: SURFACE MOUNT

5 VA to 50 VA

Primary Voltages of 115V or 26V

PICO surface mount units utilize materials and methods to withstand extreme temperatures of vapor phase, I.R., and other reflow procedures without degradation of electrical or mechanical characteristics.

**Specifications:**

- Manufactured to MIL-PRF-27, Grade 5, Class S.
- 90° C Ambient
- Input Primary 115v - 400Hz ± 20Hz or 26v - 400Hz - ± 20Hz (Your Choice - Just Choose The Proper Part No.)
- Regulation is 8%
- Secondary Voltage Adjusted to Nominal Value at Half Load.
- Moisture Sensitivity Level: MSL3
- Terminals: Meet Solderability per MIL-STD-202, Method 208.

<b>115V/26V Primary</b>				
<b>SEC/ VOLT</b>	<b>SEC/ CURRENT ma</b>	<b>MODEL NUMBER 115V PRIMARY</b>	<b>MODEL NUMBER 26V PRIMARY</b>	<b>PICO PRICES 1-9* (US \$)</b>
5.0 ct	1000	87515	87015	179.70
	3000	87615	87115	179.70
	5000	87715	87215	179.70
	7000	87815	87315	179.70
	10,000	87915	87415	179.70
6 ct	833	87520	87020	179.70
	2500	87620	87120	179.70
	4166	87720	87220	179.70
	5833	87820	87320	179.70
	8333	87920	87420	179.70

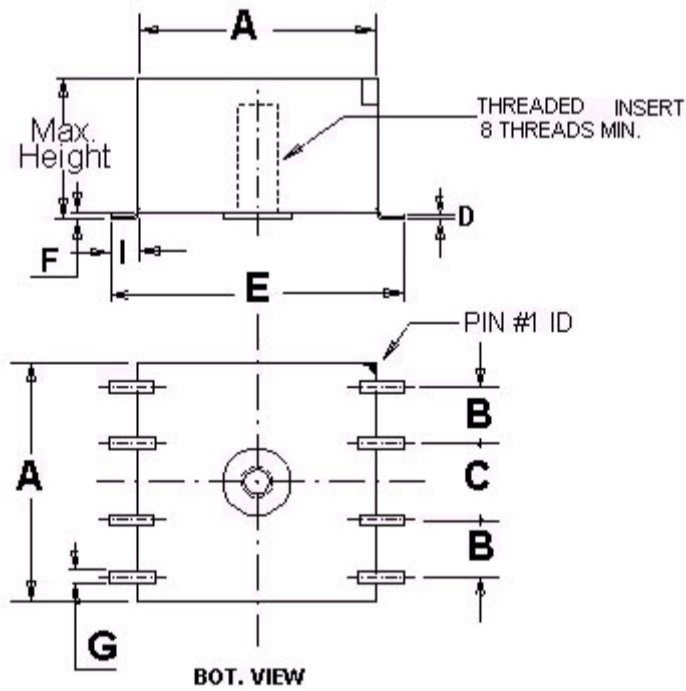
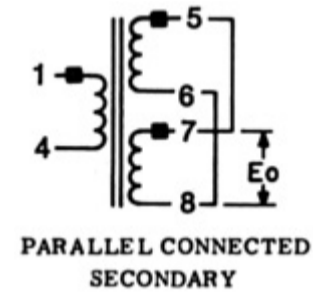
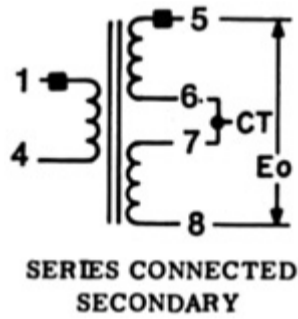
9 ct	555 1666 2777 3888 5555	87525 87625 87725 87825 87925	87025 87125 87225 87325 87425	179.70 179.70 179.70 179.70 179.70
12 ct	417 1250 2083 2917 4166	87530 87630 87730 87830 87930	87030 87130 87230 87330 87430	179.70 179.70 179.70 179.70 179.70
14 ct	357 1071 1786 2500 3571	87535 87635 87735 87835 87935	87035 87135 87235 87335 87435	179.70 179.70 179.70 179.70 179.70
15 ct	333 1000 1667 2333 3333	87540 87640 87740 87840 87940	87040 87140 87240 87340 87440	179.70 179.70 179.70 179.70 179.70
22 ct	227 681 1136 1591 2272	87545 87645 87745 87845 87945	87045 87145 87245 87345 87445	179.70 179.70 179.70 179.70 179.70
24 ct	208 625 1041 1450 2083	87550 87650 87750 87850 87950	87050 87150 87250 87350 87450	179.70 179.70 179.70 179.70 179.70
28 ct	178 535 892 1250 1786	87555 87655 87755 87855 87955	87055 87155 87255 87355 87455	179.70 179.70 179.70 179.70 179.70

<b>SEC/ VOLT</b>	<b>SEC/ CURRENT ma</b>	<b>MODEL NUMBER 115V PRIMARY</b>	<b>MODEL NUMBER 26V PRIMARY</b>	<b>PICO PRICES 1-9* (US \$)</b>
36 ct	138 416 694 972 1389	87560 87660 87760 87860 87960	87060 87160 87260 87360 87460	179.70 179.70 179.70 179.70 179.70
48 ct	104 312 521 729 1043	87565 87665 87765 87865 87965	87065 87165 87265 87365 87465	179.70 179.70 179.70 179.70 179.70
75 ct	67 200 333 467 676	87570 87670 87770 87870 87970	87070 87170 87270 87370 87470	179.70 179.70 179.70 179.70 179.70
100 ct	50 150 250 350 500	87575 87675 87775 87875 87975	87075 87175 87275 87375 87475	179.70 179.70 179.70 179.70 179.70

110 ct	45	87580	87080	179.70
	136	87680	87180	179.70
	227	87780	87280	179.70
	318	87880	87380	179.70
	454	87980	87480	179.70
115 ct	43	87585	87085	179.70
	130	87685	87185	179.70
	217	87785	87285	179.70
	304	87885	87385	179.70
	434	87985	87485	179.70

### Features

- 400 Hz Aerospace Application.
- Smallest Possible Size.
- Secondary Has Split Winding  
(Secondary can be used at half voltage twice the current.)



[Larger size drawing \[1\]](#)

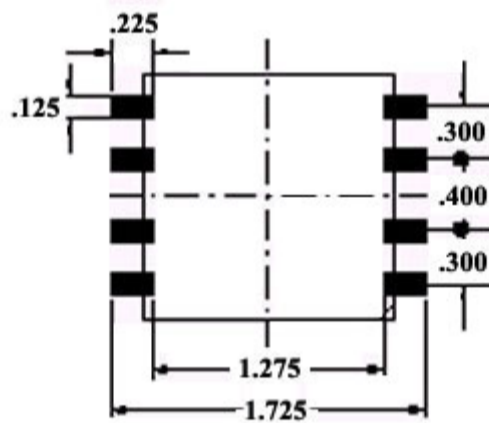
### 400Hz Power Transformers: Primary Voltages of 115V or 26V. Ultra-miniature size

Series Number	Max. Height	A	B	C	D	E	F	G	I	Insert	Weight
87000	.725 (18.42)	1.375 (34.93)	.300 (7.62)	.400 (10.16)	.017 (.43)	1.625 (41.27)	.020 (.51)	.075 (1.91)	.125 (3.18)	6 - 32 UNC	52 Grams
87100	.850 (20.32)	1.500 (38.10)	.300 (7.62)	.500 (12.70)	.017 (.43)	1.750 (44.45)	.020 (.51)	.075 (1.91)	.125 (3.18)	6 - 32 UNC	65 Grams
87200	.850 (21.59)	1.625 (41.28)	.300 (7.62)	.700 (17.78)	.017 (.43)	1.875 (47.63)	.020 (.51)	.075 (1.91)	.125 (3.18)	6 - 32 UNC	100 Grams

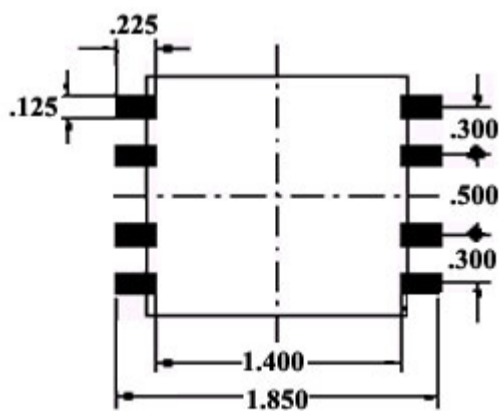
87300	.950 (24.13)	1.750 (44.45)	.300 (7.62)	.800 (20.32)	.017 (.43)	2.000 (50.80)	.020 (.51)	.075 (1.91)	.125 (3.18)	6 - 32 UNC	145 Grams
87400	1.050 (26.67)	2.000 (50.80)	.300 (7.62)	.900 (22.86)	.017 (.43)	2.250 (57.15)	.020 (.51)	.075 (1.91)	.125 (3.18)	6 - 32 UNC	195 Grams
87500	.725 (18.42)	1.375 (34.93)	.300 (7.62)	.400 (10.16)	.017 (.43)	1.625 (41.27)	.020 (.51)	.075 (1.91)	.125 (3.18)	6 - 32 UNC	52 Grams
87600	.850 (20.32)	1.500 (38.10)	.300 (7.62)	.500 (12.70)	.017 (.43)	1.750 (44.45)	.020 (.51)	.075 (1.91)	.125 (3.18)	6 - 32 UNC	65 Grams
87700	.850 (21.59)	1.625 (41.28)	.300 (7.62)	.700 (17.78)	.017 (.43)	1.875 (47.63)	.020 (.51)	.075 (1.91)	.125 (3.18)	6 - 32 UNC	100 Grams
87800	.950 (24.13)	1.750 (44.45)	.300 (7.62)	.800 (20.32)	.017 (.43)	2.000 (50.80)	.020 (.51)	.075 (1.91)	.125 (3.18)	6 - 32 UNC	145 Grams
87900	1.050 (26.67)	2.000 (50.80)	.300 (7.62)	.900 (22.86)	.017 (.43)	2.250 (57.15)	.020 (.51)	.075 (1.91)	.125 (3.18)	6 - 32 UNC	195 Grams

\*Note\* Measurements are in inches; ( ) = mm

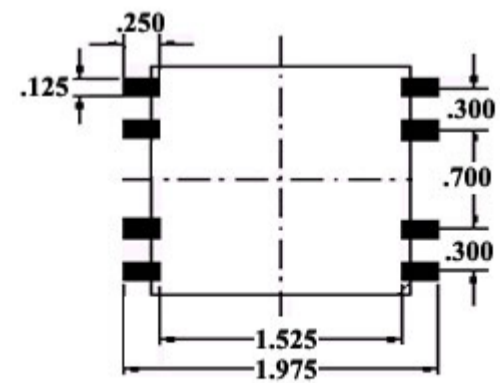
**RECOMMENDED LAND  
PATTERN DIMENSIONS  
87000 AND 87500 SERIES**



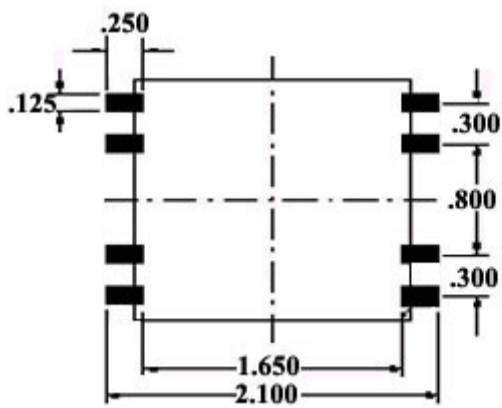
**RECOMMENDED LAND  
PATTERN DIMENSIONS  
87100 AND 87600 SERIES**



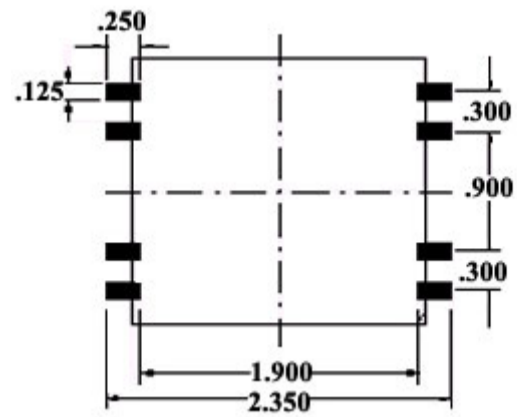
**RECOMMENDED LAND  
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87200 AND 87700 SERIES**



**RECOMMENDED LAND  
PATTERN DIMENSIONS  
87300 AND 87800 SERIES**



**RECOMMENDED LAND  
PATTERN DIMENSIONS  
87400 AND 87900 SERIES**



[Click Here for Thru Hole Version of 400 Hz Transformers](#) [2]

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\*Discount Prices:

- 1-9 Net;  
10-24 less 10%;  
25-49 less 16%;  
50-99 less 23%;  
100-499 less 30%

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Ordering Instructions:

- No minimum.  
Net 30 days F.O.B. Pelham, NY  
**Delivery--stock to one week for sample orders**

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**PICO Electronics, Inc.**

143 Sparks Ave. Pelham, NY 10803-1810  
Tel: 914-738-1400 or Fax: 914-738-8225

[Go back to Surface Mount Transformers and Inductors menu](#)[3]

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