

Pulse Transformers

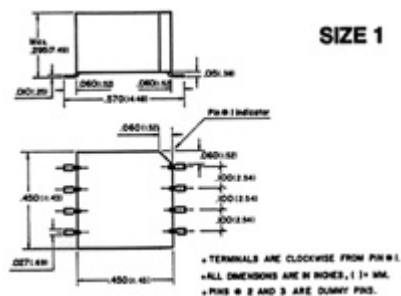
SURFACE MOUNT

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.

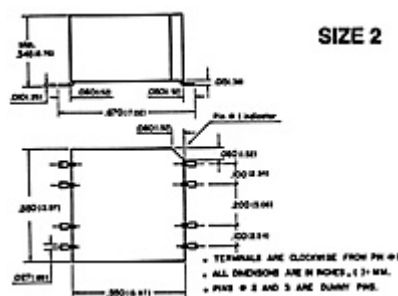
Specifications

- Units manufactured to MIL-PRF-21038.
- **DIELECTRIC STRENGTH:** All units tested at 500 V RMS.
- **OPERATING TEMPERATURE:** -55° C to +130° C
- **INSULATION RESISTANCE:** Greater than 10,000 Megohms at 700 V DC.
- **TERMINALS:** Meet solderability per MIL-STD-202, Method 208.
- **THERMAL SHOCK:** 25 Cycles, Method 107, MIL-STD-202, Test Condition -55 ° C to +130° C.
- **WEIGHT SIZE:** 1-2.5 Grams; 2-4.5 Grams; 3-8.0 Grams
- **MOISTURE SENSITIVITY LEVEL:** MSL3

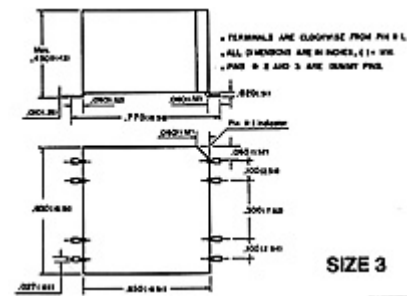
Mechanical Drawings:



Larger size drawing



Larger size drawing



Larger size drawing

SIZE 1											
PICO PART #	TURNS RATIO TOLER. ±5%	Lm TYPICAL μH	LEAKAGE IND. VALUE IN μH TYPICAL		WINDING RESISTANCE MAX VALUE IN OHMS (+/- 25%)			TYPICAL INTER- WINDING CAP VALUE IN pF		E.T. RATING VOLT - μSEC MAX. PRIMARY	PRICE (1-9) (US \$)
			LL (N1-N2)	LL (N1-N3)	R(N1)	R(N2)	R(N3)	C1 (N1-N2)	C2 (N1-N3)		

75005	1:1:1	150	.100	.250	.059	.068	.077	25	12	10	58.55
75010	1:1:1	600	.400	1.1	.15	.18	.21	25	12	20	58.55
75015	1:1:1	1300	.900	2.5	.45	.51	.58	25	12	30	58.55
75020	1:1:1	2400	1.6	4.2	1.14	1.27	1.39	25	12	40	58.55
75025	1:1:1	3700	3.0	6.5	2.0	2.3	2.5	25	12	50	58.55
75030	2:1:1	150	.250	.450	.065	.019	.022	25	12	10	58.55
75035	2:1:1	600	1.0	1.5	.15	.074	.087	25	12	20	58.55
75040	2:1:1	1300	1.5	3.5	.45	.10	.13	25	12	30	58.55
75045	2:1:1	2400	2.2	6.0	1.14	.17	.20	25	12	40	58.55
75050	2:1:1	3700	3.4	9.0	1.95	.28	.33	25	12	50	58.55

SIZE 1

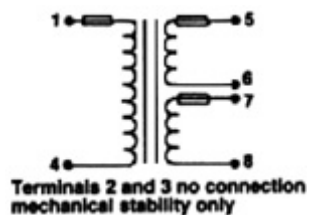
PICO PART #	TURNS RATIO TOLER. ±5%	Lm TYPICAL μH	LEAKAGE IND. VALUE IN μH TYPICAL		WINDING RESISTANCE MAX VALUE IN OHMS (+/- 25%)			TYPICAL INTER- WINDING CAP VALUE IN pF		E.T. RATING VOLT - μSEC MAX. PRIMARY	PRICE (1-9) (US \$)
			LL (N1-N2)	LL (N1-N3)	R(N1)	R(N2)	R(N3)	C1 (N1-N2)	C2 (N1-N3)		
75055	3:1:1	200	.617	1.0	.074	.012	.014	25	12	12	58.55
75060	3:1:1	800	1.2	1.5	.18	.035	.040	25	12	24	58.55
75065	3:1:1	1800	2.5	5.0	.37	.15	.16	25	12	36	58.55
75070	3:1:1	3200	4.5	10.0	.62	.25	.28	25	12	48	58.55
75075	3:1:1	5300	7.0	15.0	1.28	.25	.28	25	12	60	58.55
75080	3:3:1	200	200	1.0	.075	.094	.018	25	12	12	58.55
75085	3:3:1	800	1.0	1.5	.18	.22	.042	25	12	24	58.55
75090	3:3:1	1800	2.5	5.0	.60	.78	.30	25	12	36	58.55
75095	3:3:1	3200	4.5	10.0	.95	1.18	.55	25	12	48	58.55
75100	3:3:1	5300	7.0	15.0	1.50	1.89	.72	25	12	60	58.55
75105	4:2:1	200	.506	2.0	.047	.030	.016	25	12	12	58.55
75110	4:2:1	800	1.5	3.0	.18	.071	.041	25	12	24	58.55
75115	4:2:1	1800	3.0	5.5	.46	.28	.16	25	12	36	58.55
75120	4:2:1	3200	5.5	10.0	.77	.46	.25	25	12	48	58.55
75125	4:2:1	5300	8.0	15.0	1.23	.75	.41	25	12	60	58.55

SIZE 2

PICO PART #	TURNS RATIO TOLER. ±5%	Lm TYPICAL μH	LEAKAGE IND. VALUE IN μH TYPICAL		WINDING RESISTANCE MAX VALUE IN OHMS (+/- 25%)			TYPICAL INTER- WINDING CAP VALUE IN pF		E.T. RATING VOLT - μSEC MAX. PRIMARY	PRICE (1-9) (US \$)
			LL (N1-N2)	LL (N1-N3)	R(N1)	R(N2)	R(N3)	C1 (N1-N2)	C2 (N1-N3)		
75210	1:1:1	250	.350	.712	.036	.042	.048	35	18	16	58.55
75215	1:1:1	1000	.650	1.2	.12	.15	.17	35	18	32	58.55
75220	1:1:1	2250	1.5	3.0	.28	.32	.37	35	18	48	58.55
75225	1:1:1	4000	2.5	5.0	.59	.66	.74	35	18	65	58.55
75230	1:1:1	6200	4.0	8.0	1.18	1.34	1.50	35	18	80	58.55
75235	2:1:1	250	.400	.815	.036	.01	.012	35	18	16	58.55
75240	2:1:1	1000	.800	1.6	.12	.044	.049	35	18	32	58.55
75245	2:1:1	2250	1.8	3.6	.28	.11	.13	35	18	48	58.55
75250	2:1:1	4000	3.2	6.4	.59	.17	.20	35	18	65	58.55
75255	2:1:1	6200	5.0	10.0	1.18	.26	.31	35	18	80	58.55
75260	3:1:1	350	.400	.900	.037	.019	.021	35	18	19	58.55
75265	3:1:1	1400	1.1	2.2	.15	.035	.039	35	18	38	58.55
75270	3:1:1	3000	2.4	5.0	.42	.062	.068	35	18	57	58.55
75275	3:1:1	5500	4.2	8.0	.75	.23	.24	35	18	76	58.55
75280	3:1:1	9000	6.5	10.0	.96	.38	.40	35	18	95	58.55
75285	3:3:1	350	.450	1.0	.057	.072	.028	35	18	19	58.55
75290	3:3:1	1400	1.2	2.6	.15	.17	.065	35	18	38	58.55
75295	3:3:1	3000	2.5	5.0	.42	.48	.089	35	18	57	58.55
75300	3:3:1	5500	4.5	9.0	.94	1.14	.43	35	18	76	58.55
75305	3:3:1	9000	7.0	14.0	1.54	1.74	.64	35	18	95	58.55
75310	4:2:1	350	.700	1.64	.040	.023	.014	35	18	19	58.55
75315	4:2:1	1400	1.3	2.7	.12	.067	.035	35	18	38	58.55
75320	4:2:1	3000	2.7	5.5	.42	.12	.070	35	18	57	58.55
75325	4:2:1	5500	4.8	9.0	.94	.27	.15	35	18	76	58.55
75330	4:2:1	9000	7.5	15.0	1.53	.35	.19	35	18	95	58.55

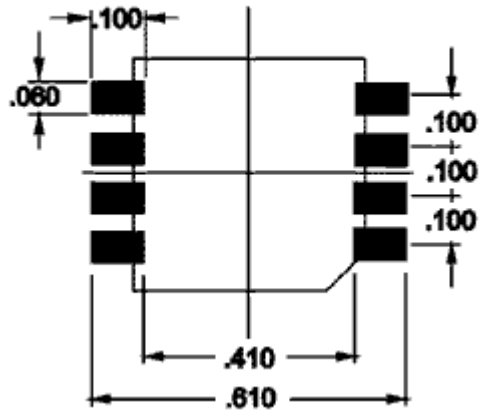
SIZE 3											
PICO PART #	TURNS RATIO TOLER. ±5%	Lm TYPICAL μH	LEAKAGE IND. VALUE IN μH TYPICAL		WINDING RESISTANCE MAX VALUE IN OHMS (+/- 25%)			TYPICAL INTER- WINDING CAP VALUE IN pF		E.T. RATING VOLT - μSEC MAX. PRIMARY	PRICE (1-9) (US \$)
			LL (N1-N2)	LL (N1-N3)	R(N1)	R(N2)	R(N3)	C1 (N1-N2)	C2 (N1-N3)		

75515	1:1:1	300	.300	.400	.035	.040	.045	45	25	25	58.55
75520	1:1:1	1200	1.25	1.9	.095	.11	.13	45	25	50	58.55
75525	1:1:1	2700	1.75	4.2	.22	.26	.29	45	25	75	58.55
75530	1:1:1	4800	3.0	7.3	.46	.53	.60	45	25	100	58.55
75535	1:1:1	7500	4.6	11.4	.78	.96	1.15	45	25	125	58.55
75540	2:1:1	300	.514	.630	.035	.013	.014	45	25	25	58.55
75545	2:1:1	1200	.900	1.7	.095	.043	.047	45	25	50	58.55
75550	2:1:1	2700	2.0	3.7	.22	.10	.12	45	25	75	58.55
75555	2:1:1	4800	3.0	6.5	.46	.17	.19	45	25	100	58.55
75560	2:1:1	7500	4.88	10.0	.80	.28	.34	45	25	125	58.55
75565	3:1:1	400	.686	.800	.042	.010	.012	45	25	30	58.55
75570	3:1:1	1600	1.25	3.0	.12	.035	.038	45	25	60	58.55
75575	3:1:1	3600	2.75	6.5	.33	.062	.068	45	25	90	58.55
75580	3:1:1	6400	4.6	1.20	.58	.14	.15	45	25	120	58.55
75585	3:1:1	10,000	7.2	18.0	1.16	.12	.14	45	25	150	58.55
75590	3:3:1	400	.400	1.02	.054	.060	.011	45	25	30	58.55
75595	3:3:1	1600	1.25	1.5	.12	.14	.040	45	25	60	58.55
75600	3:3:1	3600	3.0	2.9	.33	.38	.070	45	25	90	58.55
75605	3:3:1	6400	5.3	5.0	.58	.73	.18	45	25	120	58.55
75610	3:3:1	10,000	8.2	7.8	1.16	1.43	.14	45	25	150	58.55
75615	4:2:1	400	.580	1.12	.042	.015	.009	45	25	30	58.55
75620	4:2:1	1600	1.2	3.0	.12	.052	.028	45	25	60	58.55
75625	4:2:1	3600	2.75	7.0	.33	.15	.084	45	25	90	58.55
75630	4:2:1	6400	4.6	12.0	.59	.15	.082	45	25	120	58.55
75635	4:2:1	10,000	7.1	19.6	1.16	.27	.15	45	25	150	58.55

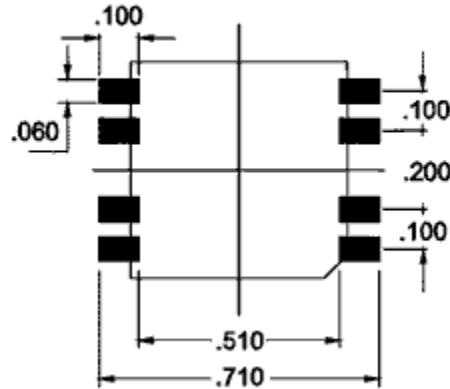


[Click Here For Thru Hole Version of 75000 Series](#)

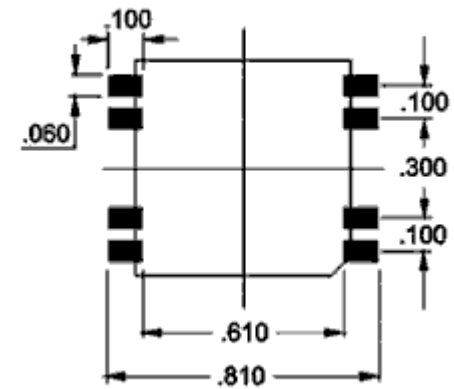
**RECOMMENDED LAND PATTERN
DIMENSIONS
PICO 75000 Series Size 1**



**RECOMMENDED LAND PATTERN
DIMENSIONS
PICO 75000 Series Size 2**



**RECOMMENDED LAND PATTERN
DIMENSIONS
PICO 75000 Series Size 3**



For immediate engineering assistance or to place an order:
Call Toll Free: 800-431-1064

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](#)