

X Notice: Undefined variable: base_url in eval() (line 38 of /usr/www/virtual/outiky/www.picoelectronics.com/modules/php/php.module(80) : eval()'d code).

Audio Transformers:

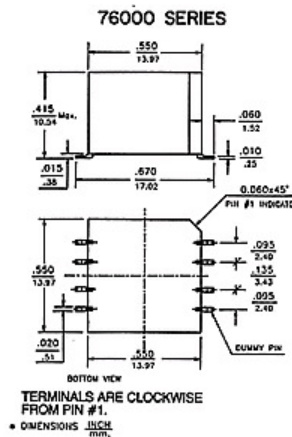
2 Ohm to 100K Ohm; 300Hz to 75KHz; 600 milliwatt at 1KHz

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

- MIL-PRF-27:** All units manufactured to Mil-PRF-27, Grade 5, Class S.
- FREQUENCY RESPONSE:** ± 3db, 300 Hz-75 KHz at 1.0 Milliwatt.
- MAXIMUM DISTORTION:** 5% with rated power level at 1 KHz and 400 Hz.
- DIELECTRIC STRENGTH:** All units tested at 200 V RMS.
- INSULATION RESISTANCE:** Greater than 10,000 Megohms at 300 V DC.
- WEIGHT:** 5 Grams
- TERMINALS:** Solderability per MIL-STD-202, Method 208.
- THERMAL SHOCK:** 25 Cycles, Method 107, MIL-STD-202, Test Condition -55° C to +130° C.
- MOISTURE SENSITIVITY LEVEL:** MSL3



Bottom View
[Larger size drawing](#)

Audio Transformers: 2 Ohm to 100K Ohm; 300Hz to 75KHz; 600 milliwatt at 1KHz

PICO Part Number Square Package	PICO Part Number Round Package	Primary Impedance Ohms	Secondary Impedance Ohms Split Windings		Power Watts			Primary Unbal DC Current ma	Prim DC Resist Ohms	Secondary DC Resistance OHMS		Turns Ratio PRIM/SEC		*** Prices 1-9 (US \$)
			SER CONN	PAR CONN	1KHz and higher	400Hz and higher	300Hz and higher			SER CONN	PAR CONN	SEC SER CONN	SEC PAR CONN	
76203	RPS-76203	20ct	8ct	2	.6	.4	.3	30.0	2	1.2	.3	1.58:1	3.16:1	53.85
76205	RPS-76205	20ct	20ct	5	.6	.4	.3	30.0	2	2.8	.7	1:1	2:1	53.85
76210	RPS-76210	32ct	32ct	8	.6	.4	.3	23.0	3.3	4.5	1.13	1:1	2:1	53.85
76215	RPS-76215	40ct	40ct	10	.6	.4	.3	21.0	3.7	5	1.25	1:1	2:1	53.85
76218	RPS-76218	48ct	16ct	4	.6	.4	.3	19.0	3.75	3	.75	1.73:1	3.46:1	53.85
76220	RPS-76220	50ct	50ct	12.5	.6	.4	.3	19.0	5	7	1.75	1:1	2:1	53.85
76225	RPS-76225	80ct	32ct	8	.6	.4	.3	15.0	7.5	4.3	1.13	1.58:1	3.16:1	53.85
76228	RPS-76228	100ct	40ct	10	.6	.4	.3	13.0	10.8	5	1.25	1.58:1	3.16:1	53.85
76230	RPS-76230	100ct	100ct	25	.6	.4	.3	13.0	10.8	12	3	1:1	2:1	53.85
76235	RPS-76235	120ct	120ct	20	.6	.4	.3	12.0	10.8	2.2	.55	2.00:1	6.10:1	53.85

76350	RPS-76355	500ct	500ct	125	.6	.4	.3	6.0	48	54	13.5	1:1	2:1	53.85
76355	RPS-76360	*500ct	500ct	-	.6	.4	.3	6.0	48	68	-	1:1	-	53.85
76360	RPS-76365	500ct	600ct	150	.6	.4	.3	6.0	48	59	15	1:1.1	1.83:1	53.85
76365	RPS-76367	600ct	12.8ct	3.2	.6	.4	.3	5.5	53	1.7	.43	6.85:1	13.7:1	53.85
76367	RPS-76370	600ct	30ct	7.5	.6	.4	.3	5.5	53	4.2	1.1	4.47:1	8.94:1	53.85
76370	RPS-76375	600ct	48ct	12	.6	.4	.3	5.5	53	6.8	1.7	3.54:1	7.07:1	53.85
76375	RPS-76380	600ct	200ct	50	.6	.4	.3	5.5	53	21.3	5.3	1.73:1	3.46:1	53.85
76380	RPS-76385	600ct	600ct	150	.6	.4	.3	5.5	57	79	20	1:1	2:1	53.85
76385	RPS-76387	*600ct	600ct	-	.6	.4	.3	5.5	53	75	-	1:1	-	53.85
76387	RPS-76390	600ct	1200ct	300	.6	.4	.3	5.5	53	105	26	1:1.41	1.41:1	53.85
76390	RPS-76395	640ct	12.8ct	3.2	.6	.4	.3	5.5	66	1.7	.43	7.07:1	14.14:1	53.85
76395	RPS-76400	700ct	100ct	25	.6	.4	.3	5.0	69	12	3	2.65:1	5.29:1	53.85
76400	RPS-76405	800ct	12.8ct	3.2	.6	.4	.3	5.0	75	1.7	.43	7.9:1	15.8:1	53.85
76405	RPS-76410	800ct	48ct	12	.6	.4	.3	5.0	75	6.8	1.7	4.08:1	8.16:1	53.85
76410	RPS-76415	800ct	800ct	200	.6	.4	.3	5.0	75	105	26	1:1	2:1	53.85
76415	RPS-76420	900ct	600ct	150	.6	.4	.3	4.5	79	75	19	1.22:1	2.45:1	53.85
76420	RPS-76425	1000ct	12ct	3	.6	.4	.3	4.5	103	1.6	.4	9.13:1	18.3:1	53.85
76425	RPS-76430	1000ct	50ct	12.5	.6	.4	.3	4.5	103	6.4	1.6	4.47:1	8.94:1	53.85
76430	RPS-76435	1000ct	1000ct	250	.6	.4	.3	4.5	103	115	28	1:1	2:1	53.85
76435	RPS-76440	1060ct	12.8ct	3.2	.6	.4	.3	4.0	108	1.7	.43	9.1:1	18.2:1	53.85
76440	RPS-76445	1200ct	12.8ct	3.2	.6	.4	.3	4.0	113	1.7	.43	9.68:1	19.4:1	53.85
76445	RPS-76450	1200ct	500ct	125	.6	.4	.3	4.0	113	54	13.5	1.55:1	3.1:1	53.85
76450	RPS-76455	1200ct	1200ct	300	.6	.4	.3	4.0	113	126	31.6	1:1	2:1	53.85
76455	RPS-76460	*1200ct	1200ct	-	.6	.4	.3	4.0	111	125	-	1:1	-	53.85
76460	RPS-76465	1500ct	12ct	3	.6	.4	.3	3.5	126	1.6	.4	11.2:1	22.4:1	53.85
76465	RPS-76470	1500ct	500ct	125	.6	.4	.3	3.5	126	68	17	1.73:1	3.46:1	53.85
76470	RPS-76475	*1500ct	600ct	-	.6	.4	.3	3.5	126	94	-	1.58:1	-	53.85
76475	RPS-76480	*1500ct	1500ct	-	.6	.4	.3	3.5	126	176	-	1:1	-	53.85
76480	RPS-76483	1600ct	12.8ct	3.2	.6	.4	.3	3.5	130	1.7	.43	11.2:1	22.4:1	53.85
76483	RPS-76485	2000ct	8ct	2	.6	.4	.3	3.0	210	1.2	.3	15.8:1	31.6:1	53.85
76485	RPS-76490	2000ct	2000ct	500	.6	.4	.3	3.0	198	218	55	1:1	2:1	53.85
76490	RPS-76495	*2000ct	2000ct	-	.6	.4	.3	3.0	198	218	-	1:1	-	53.85
76495	RPS-76497	2000ct	8000ct	2000	.6	.4	.3	3.0	198	850	213	1:2	1:1	53.85
76497	RPS-76499	2500ct	2500ct	625	.6	.4	.3	2.5	220	305	76	1:1	2:1	53.85

76620	RPS-76620	10,000ct	1500ct	375	.6	.4	.3	1.4	850	177	44	2.58:1	5.16:1	59.74
76625	RPS-76625	10,000ct	2000ct	500	.6	.4	.3	1.4	850	255	64	2.24:1	4.47:1	59.74
76630	RPS-76630	10,000ct	5000ct	1250	.6	.4	.3	1.4	850	630	158	1.41:1	2.83:1	59.74
76635	RPS-76635	10,000ct	7500ct	1875	.6	.4	.3	1.4	850	772	193	1.15:1	2.3:1	59.74
76640	RPS-76640	10,000ct	10,000ct	2500	.6	.4	.3	1.4	866	1215	304	1:1	2:1	59.74
76645	RPS-76645	*10,000ct	10,000ct	-	.6	.4	.3	1.4	1060	1215	-	1:1	-	63.95
76650	RPS-76650	15,000ct	400ct	100	.6	.4	.3	1.0	1305	47	12	6.12:1	12.24:1	59.74
76652	RPS-76652	15,000ct	500ct	125	.6	.4	.3	1.0	1305	53	13	5.48:1	10.95:1	59.74
76655	RPS-76655	15,000ct	600ct	150	.6	.4	.3	1.0	1305	72.5	18	5:1	10:1	59.74
76660	RPS-76660	15,000ct	10,000ct	2500	.6	.4	.3	1.0	1305	1215	304	1.22:1	2.45:1	59.74
76665	RPS-76665	*15,000ct	15,000ct	-	.6	.4	.3	1.0	1305	1800	-	1:1	-	63.95
76670	RPS-76670	15,000ct	15,000ct	3750	.6	.4	.3	1.0	1305	1800	450	1:1	2:1	59.74
76675	RPS-76675	16,000ct	1000ct	250	.6	.4	.3	1.0	1343	115	29	4:1	8:1	59.74
76680	RPS-76680	20,000ct	500ct	125	.5	.4	.3	1.0	1560	68	17	6.33:1	12.65:1	63.95
76685	RPS-76685	20,000ct	600ct	150	.5	.4	.3	1.0	1560	75	19	5.77:1	11.55:1	63.95
76690	RPS-76690	20,000ct	800ct	200	.5	.4	.3	1.0	1560	108	27	5:1	10:1	63.95
76695	RPS-76695	20,000ct	1000ct	250	.5	.4	.3	1.0	1560	121	30.5	4.47:1	8.94:1	63.95
76700	RPS-76700	20,000ct	5000ct	1250	.5	.4	.3	1.0	1560	672	168	2:1	4:1	63.95
76705	RPS-76705	20,000ct	10,000ct	2500	.5	.4	.3	1.0	1560	1520	380	1.41:1	2.83:1	63.95
76710	RPS-76710	*20,000ct	20,000ct	-	.5	.4	.3	1.0	1560	2727	682	1:1	-	66.55
76715	RPS-76715	25,000ct	500ct	125	.4	.4	.3	0.8	2170	68	17	7.07:1	14.14:1	63.95
76720	RPS-76720	25,000ct	1000ct	250	.4	.4	.3	0.8	2170	120	30	5:1	10:1	63.95
76725	RPS-76725	30,000ct	50ct	12.5	.33	.33	.3	0.8	2400	7	1.75	24.5:1	49:1	66.55
76730	RPS-76730	30,000ct	1200ct	300	.33	.33	.3	0.8	2400	156	39	5:1	10:1	66.55
76732	RPS-76732	30,000ct	500ct	125	.33	.33	.3	0.8	2400	68	17	7.75:1	15.5:1	66.55
76734	RPS-76734	30,000ct	200ct	50	.33	.33	.3	0.8	2400	29	7.2	12.25:1	24.5:1	66.55
76735	RPS-76735	30,000ct	5000ct	1250	.33	.33	.3	0.8	2400	673	169	2.45:1	4.9:1	66.55
76740	RPS-76740	30,000ct	10,000ct	2500	.33	.33	.3	0.8	2400	1520	380	1.73:1	3.46:1	66.55
76745	RPS-76745	*30,000ct	30,000ct	-	.33	.33	.3	0.8	3000	3310	-	1:1	-	71.45
76750	RPS-76750	40,000ct	400ct	100	.25	.25	.25	0.7	3400	57	14.3	10:1	20:1	71.45
PICO Part Number Square	PICO Part Number Round	Primary Impedance Ohms	Secondary Impedance Ohms Split Windings		Power Watts			Primary Unbal DC Current	Prim DC Resist	Secondary DC Resistance OHMS		Turns Ratio PRIM/SEC		*** Prices 1-9 (US \$)

Square Package	Round Package	Ohms	SER CONN	PAR CONN	1KHz and higher	400Hz and higher	300Hz and higher	Current ma	Ohms	SER CONN	PAR CONN	SEC SER CONN	SEC PAR CONN	Price
76755	RPS-76755	40,000ct	2000ct	500	.25	.25	.25	0.7	3400	268	67	4.47:1	8.94:1	71.45
76760	RPS-76760	40,000ct	4000ct	1000	.25	.25	.25	0.7	3400	476	119	3.16:1	6.32:1	71.45
76765	RPS-76765	40,000ct	20,000ct	5000	.25	.25	.25	0.7	3400	2700	675	1.41:1	2.83:1	71.45
76770	RPS-76770	*40,000ct	40,000ct	-	.25	.25	.25	0.7	3400	4750	-	1:1	-	79.68
76775	RPS-76775	50,000ct	200ct	50	.2	.2	.2	0.6	4850	27	6.7	15.8:1	31.6:1	79.68
76777	RPS-76777	50,000ct	500ct	125	.2	.2	.2	0.6	4850	68	17	10:1	20:1	79.68
76779	RPS-76779	50,000ct	600ct	150	.2	.2	.2	0.6	4850	75	18.5	9.13:1	18.26:1	79.68
76780	RPS-76780	60,000ct	15,000ct	3750	.16	.16	.16	0.5	5275	2250	563	2:1	4:1	85.91
76785	RPS-76785	62,500ct	50ct	12.5	.16	.16	.16	0.5	5445	8.7	2.2	35.4:1	70.7:1	85.91
76787	RPS-76787	80,000ct	15,000ct	3750	.12	.12	.12	0.4	6130	2250	563	2.3:1	4.6:1	85.91
76790	RPS-76790	90,000ct	10,000ct	2500	.1	.1	.1	0.4	8140	1520	380	3:1	6:1	90.27
76795	RPS-76795	95,000ct	15,000ct	3750	.1	.1	.1	0.4	8400	2250	563	2.52:1	5.03:1	90.27
76800	RPS-76800	100,000ct	60ct	15	.1	.1	.1	0.4	8750	9.2	2.3	40.8:1	81.6:1	90.27
76805	RPS-76805	100,000ct	100ct	25	.1	.1	.1	0.4	8750	15	3.8	31.6:1	63.2:1	90.27
76810	RPS-76810	100,000ct	500ct	125	.1	.1	.1	0.4	8750	68	17	14.1:1	28.3:1	90.27
76815	RPS-76815	100,000ct	10,000ct	2500	.1	.1	.1	0.4	8750	1535	385	3.16:1	6.32:1	90.27

* INCLUDES ELECTROSTATIC SHIELD

***Discount Prices:

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

Ordering Instructions:

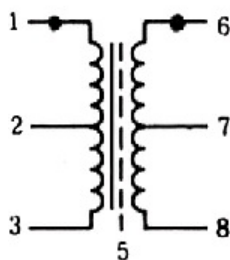
- No minimum.
- Net 30 days F.O.B. Pelham, NY

Delivery--stock to one week for sample orders.

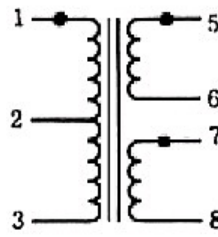
Features

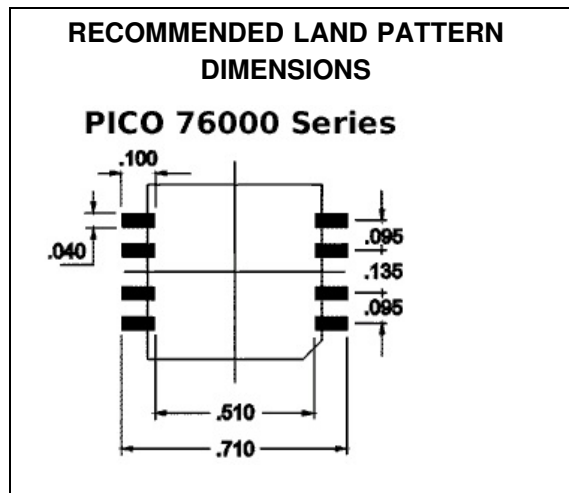
- Extreme resistance to thermal shock
- Ultra Miniature size
- PICO is approved QPL source (MIL-PRF-27)
- Magnetic shields available
- Electrostatic shielding can be added
- Variation of standards designs available
- Primary and secondary windings can be used either as input or output
- Every unit in this catalog can be made with a 300 thermal cycle guarantee using PICO's special SR construction. Contact factory for details.

Schematics for Transformers with Electrostatic Shield



Schematics for Transformers with Split Secondaries





[Click Here for Thru Hole Version of These Units](#)

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

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