W · 71000 & 81000 Series

2-40kΩ, 400-100kHz, 400mW Max. @ 1kHz+ Audio Transformer

PICO Electronics, Inc.

PRODUCT OVERVIEW

The W and 71000 & 81000 series are ultra-miniature transformers in an encapsulated package with design layouts as plug-in or surface mount types. They can operate over a wide temperature range of -55°C to +130°C. Our materials and methods allow extreme temperatures of vapor phase, IR or other reflow procedures without degrading the high reliability of their physical form and electrical performance.

Typical applications:

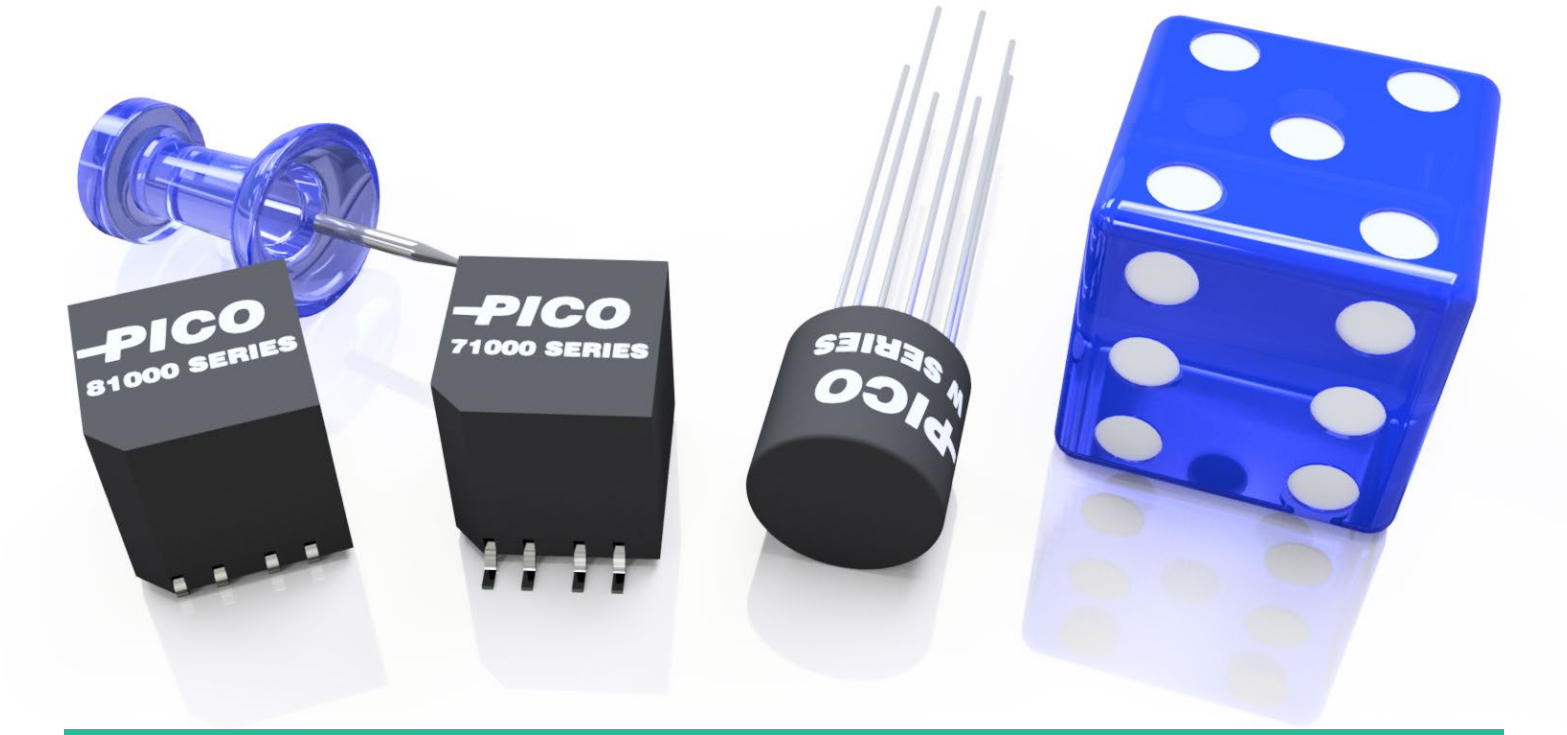
- Sensors
- Radars
- Avionic flight controls
- Airborne systems
- Naval electronics
- Military, aerospace, or commercial aircraft

FEATURES

- Extreme resistance to impact, shock, and vibration
- Manufactured to MIL-PRF-27, Class S, Grade 5
- High reliability for space and mission critical applications
- Ultra miniature in size and minimalistic design
- Design layouts in through-hole or surface mount types
- Available with magnetic shielding and/or electrostatic shielding

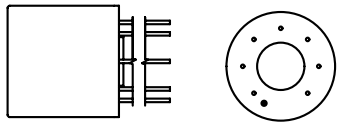
Contact Pico for part number of available options:

- Screening and qualification criteria to flight standard
- Capability to thermal shock up to 300 cycles
- Extra layers of magnetic shielding
- Fully RoHS compliant or with exemption 7(a)
- Modifications to mechanical design and electrical characteristics
- Custom new design and parameters

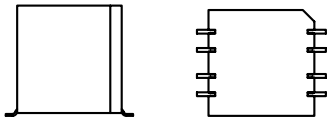


SPECIFICATIONS

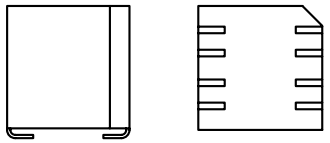
W SERIES (THROUGH HOLE)



71000 SERIES (GULL WING LEADS SURFACE MOUNT)



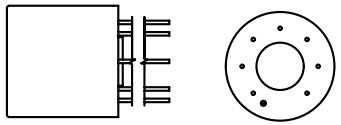
81000 SERIES (J LEADS SURFACE MOUNT)



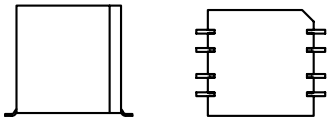
Through Hole	Surface Mount		Primary Impedance	Secondary Impedance with Split Windings		Power		Primary Unbalanced DC Current	Primary DCR	Secondary DCR		Turns Ratio PRI:SEC	
	Gull Wing Leads	J Leads		Series	Parallel	1kHz+	400Hz+			Series	Parallel	Series	Parallel
			[Ω]	[Ω]	[Ω]	[W]	[W]	[mA]	[Ω]	[Ω]	[Ω]		
W-26003	71003	81003	10 CT	10 CT	2.5	.4	.075	31.6	1.1	1.3	.33	1:1	2:1
W-26005	71005	81005	20 CT	8 CT	2	.4	.075	22.3	2.2	1	.25	1.58:1	3.16:1
W-26010	71010	81010	20 CT	20 CT	5	.4	.075	22.3	2.2	2.6	.65	1:1	2:1
W-26015	71015	81015	32 CT	32 CT	8	.4	.075	17.6	3.5	4.2	1.05	1:1	2:1
W-26020	71020	81020	40 CT	40 CT	10	.4	.075	15.8	4	4.5	1.2	1:1	2:1
W-26025	71025	81025	48 CT	16 CT	4	.4	.075	14.4	5.3	1.9	.48	1.73:1	3.46:1
W-26030	71030	81030	50 CT	50 CT	12.5	.4	.075	14.1	5.6	6.5	1.6	1:1	2:1
W-26035	71035	81035	80 CT	32 CT	8	.4	.075	11.1	8	4	1	1.58:1	3.16:1
W-26040	71040	81040	100 CT	40 CT	10	.4	.075	10	10	4.5	1.2	1.58:1	3.16:1
W-26045	71045	81045	100 CT	100 CT	25	.4	.075	10	10	12	3	1:1	2:1
W-26050	71050	81050	120 CT	12.8 CT	3.2	.4	.075	9.1	12	1.5	.38	3.06:1	6.12:1
W-26055	71055	81055	120 CT	60 CT	15	.4	.075	9.1	12	7.2	1.8	1.41:1	2.83:1
W-26060	71060	81060	120 CT	120 CT	30	.4	.075	9.1	12	14.5	3.6	1:1	2:1
W-26065	71065	81065	150 CT	12 CT	3	.4	.075	8.2	15	1.5	.38	3.54:1	7.08:1
W-26070	71070	81070	150 CT	50 CT	12.5	.4	.075	8.2	15	6	1.5	1.73:1	3.46:1
W-26075	71075	81075	150 CT	100 CT	25	.4	.075	8.2	15	12	3	1.22:1	2.45:1
W-26080	71080	81080	150 CT	150 CT	37.5	.4	.075	8.2	15	16.8	4.2	1:1	2:1
W-26085	71085	81085	150 CT	600 CT	150	.4	.075	8.2	15	70	17.5	1:2	1:1
W-26090	71090	81090	200 CT	200 CT	50	.4	.075	7	20	24	6	1:1	2:1
W-26095	71095	81095	300 CT	12 CT	3	.4	.075	5.8	30	1.5	.38	5:1	10:1
W-26100	71100	81100	300 CT	50 CT	12.5	.4	.075	5.8	30	6	1.5	2.45:1	4.9:1
W-26105	71105	81105	300 CT	150 CT	37.5	.4	.075	5.8	30	18	4.5	1.41:1	2.83:1
W-26110	71110	81110	300 CT	300 CT	75	.4	.075	5.8	30	36	9	1:1	2:1
W-26115	71115	81115	300 CT	600 CT	150	.4	.075	5.8	30	72	18	1:1.41	1.41:1
W-26120	71120	81120	320 CT	12.8 CT	3.2	.4	.075	5.6	32	1.5	.38	5:1	10:1
W-26125	71125	81125	400 CT	40 CT	10	.4	.075	5	40	4.5	1.1	3.16:1	6.32:1

SPECIFICATIONS

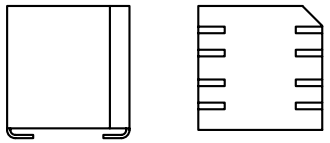
W SERIES (THROUGH HOLE)



71000 SERIES (GULL WING LEADS SURFACE MOUNT)



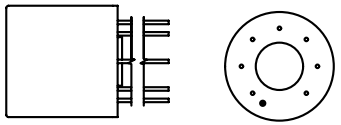
81000 SERIES (J LEADS SURFACE MOUNT)



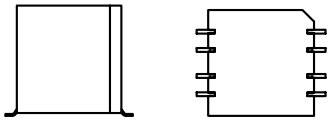
	Through Hole	Surface Mount		Primary Impedance	Secondary Impedance with Split Windings		Power		Primary Unbalanced DC Current	Primary DCR	Secondary DCR		Turns Ratio PRI:SEC	
		Gull Wing Leads	J Leads		Series	Parallel	1kHz+	400Hz+			Series	Parallel	Series	Parallel
				[Ω]	[Ω]	[Ω]	[W]	[W]	[mA]	[Ω]	[Ω]	[Ω]		
	W-26130	71130	81130	400 CT	120 CT	30	.4	.075	5	40	14	3.5	1.83:1	3.65:1
	W-26135	71135	81135	400 CT	200 CT	50	.4	.075	5	40	24	6	1.41:1	2.83:1
	W-26140	71140	81140	400 CT	400 CT	100	.4	.075	5	40	48	12	1:1	2:1
	W-26145	71145	81145	400 CT	1000 CT	250	.4	.075	5	40	120	30	1:1.58	1.26:1
	W-26150	71150	81150	400 CT	2000 CT	500	.4	.075	5	40	240	60	1:2.24	1:1.12
	W-26155	71155	81155	400 CT	4000 CT	1000	.4	.075	5	40	480	120	1:3.16	1:1.58
	W-26160	71160	81160	500 CT	12.8 CT	3.2	.4	.075	4.5	50	1.5	.38	6.25:1	12.5:1
	W-26165	71165	81165	500 CT	16 CT	4	.4	.075	4.5	50	2	.5	5.6:1	11.2:1
	W-26170	71170	81170	500 CT	50 CT	12.5	.4	.075	4.5	50	6	1.5	3.16:1	6.32:1
	W-26175	71175	81175	500 CT	150 CT	37.5	.4	.075	4.5	50	18	4.5	1.83:1	3.65:1
	W-26180	71180	81180	500 CT	500 CT	125	.4	.075	4.5	50	60	15	1:1	2:1
(1)	W-26185	71185	81185	500 CT	500 CT	-	.4	.075	4.5	50	60	-	1:1	-
	W-26190	71190	81190	500 CT	600 CT	150	.4	.075	4.5	50	72	18	1:1.1	1.83:1
	W-26195	71195	81195	600 CT	12.8 CT	3.2	.4	.075	4.1	60	1.5	.38	6.85:1	13.7:1
	W-26200	71200	81200	600 CT	30 CT	7.5	.4	.075	4.1	60	3.6	.9	4.47:1	8.94:1
	W-26205	71205	81205	600 CT	48 CT	12	.4	.075	4.1	60	5.8	1.45	3.54:1	7.07:1
	W-26210	71210	81210	600 CT	200 CT	50	.4	.075	4.1	60	24	6	1.73:1	3.46:1
	W-26215	71215	81215	600 CT	600 CT	150	.4	.075	4.1	60	72	18	1:1	2:1
(1)	W-26220	71220	81220	600 CT	600 CT	-	.4	.075	4.1	60	72	-	1:1	-
	W-26225	71225	81225	600 CT	1200 CT	300	.4	.075	4.1	60	144	36	1:1.41	1.41:1
	W-26230	71230	81230	640 CT	12.8 CT	3.2	.4	.075	3.9	64	1.5	.38	7.07:1	14.14:1
	W-26235	71235	81235	700 CT	100 CT	25	.4	.075	3.8	70	12	3	2.65:1	5.29:1
	W-26240	71240	81240	800 CT	12.8 CT	3.2	.4	.075	3.5	80	1.5	.38	7.9:1	15.8:1
	W-26245	71245	81245	800 CT	48 CT	12	.4	.075	3.5	80	5.8	1.45	4.08:1	8.16:1
	W-26250	71250	81250	800 CT	800 CT	200	.4	.075	3.5	80	96	24	1:1	2:1
	W-26255	71255	81255	900 CT	600 CT	150	.4	.075	3.3	90	72	18	1.22:1	2.45:1

SPECIFICATIONS

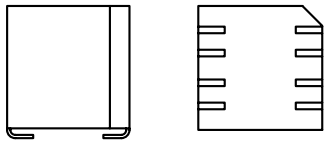
W SERIES (THROUGH HOLE)



71000 SERIES (GULL WING LEADS SURFACE MOUNT)



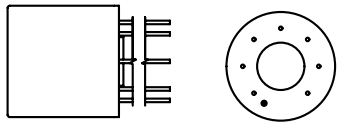
81000 SERIES (J LEADS SURFACE MOUNT)



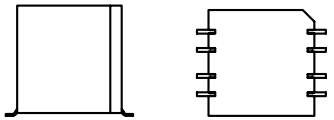
	Through Hole	Surface Mount		Primary Impedance	Secondary Impedance with Split Windings		Power		Primary Unbalanced DC Current	Primary DCR	Secondary DCR		Turns Ratio PRI:SEC	
		Gull Wing Leads	J Leads		Series	Parallel	1kHz+	400Hz+			Series	Parallel	Series	Parallel
				[Ω]	[Ω]	[Ω]	[W]	[W]	[mA]	[Ω]	[Ω]	[Ω]		
	W-26260	71260	81260	1000 CT	12 CT	3	.4	.075	3.2	100	1.5	.38	9.13:1	18.3:1
	W-26265	71265	81265	1000 CT	50 CT	12.5	.4	.075	3.2	100	6	1.5	4.47:1	8.94:1
	W-26270	71270	81270	1000 CT	1000 CT	250	.4	.075	3.2	100	120	30	1:1	2:1
	W-26275	71275	81275	1060 CT	12.8 CT	3.2	.4	.075	3.1	106	1.5	.38	9.1:1	18.2:1
	W-26280	71280	81280	1200 CT	12.8 CT	3.2	.4	.075	2.9	120	1.5	.38	9.68:1	19.4:1
	W-26285	71285	81285	1200 CT	500 CT	125	.4	.075	2.9	120	60	15	1.55:1	3.1:1
	W-26290	71290	81290	1200 CT	1200 CT	300	.4	.075	2.9	120	140	35	1:1	2:1
(1)	W-26295	71295	81295	1200 CT	1200 CT	-	.4	.075	2.9	120	140	-	1:1	-
	W-26300	71300	81300	1500 CT	12 CT	3	.4	.075	2.6	150	1.5	.38	11.2:1	22.4:1
	W-26305	71305	81305	1500 CT	500 CT	125	.4	.075	2.6	150	60	15	1.73:1	3.46:1
(1)	W-26310	71310	81310	1500 CT	600 CT	-	.4	.075	2.6	150	72	-	1.58:1	-
(1)	W-26315	71315	81315	1500 CT	1500 CT	-	.4	.075	2.6	150	180	-	1:1	-
	W-26320	71320	81320	1600 CT	12.8 CT	3.2	.4	.075	2.5	160	1.5	.38	11.2:1	22.4:1
	W-26325	71325	81325	2000 CT	8 CT	2	.4	.075	2.2	200	1	.25	15.8:1	31.6:1
	W-26330	71330	81330	2000 CT	2000 CT	500	.4	.075	2.2	200	240	60	1:1	2:1
(1)	W-26335	71335	81335	2000 CT	2000 CT	-	.4	.075	2.2	200	240	-	1:1	-
	W-26340	71340	81340	2000 CT	8000 CT	2000	.4	.075	2.2	200	960	240	1:2	1:1
	W-26345	71345	81345	2500 CT	2500 CT	625	.4	.075	2	250	300	75	1:1	2:1
	W-26350	71350	81350	3000 CT	3000 CT	725	.4	.075	1.8	300	360	90	1:1	2:1
(1)	W-26355	71355	81355	3000 CT	3000 CT	-	.4	.075	1.8	300	360	-	1:1	-
	W-26360	71360	81360	3600 CT	3600 CT	900	.4	.075	1.7	360	432	108	1:1	2:1
	W-26365	71365	81365	4000 CT	16 CT	4	.4	.075	1.6	400	1.9	.47	15.8:1	31.6:1
	W-26370	71370	81370	4000 CT	600 CT	150	.4	.075	1.6	400	72	18	2.58:1	5.16:1
	W-26375	71375	81375	4000 CT	1000 CT	250	.4	.075	1.6	400	120	30	2:1	4:1
(1)	W-26380	71380	81380	4000 CT	8000 CT	-	.4	.075	1.6	400	960	-	1:1.41	-
	W-26385	71385	81385	5000 CT	500 CT	125	.4	.075	1.4	500	60	15	3.16:1	6.32:1

SPECIFICATIONS

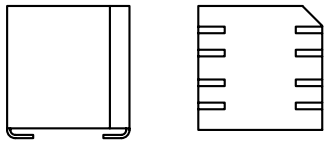
W SERIES (THROUGH HOLE)



71000 SERIES (GULL WING LEADS SURFACE MOUNT)



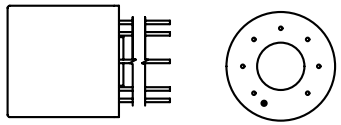
81000 SERIES (J LEADS SURFACE MOUNT)



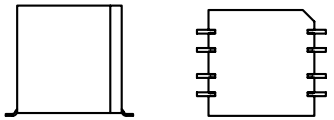
	Through Hole	Surface Mount		Primary Impedance	Secondary Impedance with Split Windings		Power		Primary Unbalanced DC Current	Primary DCR	Secondary DCR		Turns Ratio PRI:SEC	
		Gull Wing Leads	J Leads		Series	Parallel	1kHz+	400Hz+			Series	Parallel	Series	Parallel
				[Ω]	[Ω]	[Ω]	[W]	[W]	[mA]	[Ω]	[Ω]	[Ω]		
	W-26390	71390	81390	5000 CT	5000 CT	1250	.4	.075	1.4	500	600	150	1:1	2:1
	W-26395	71395	81395	7500 CT	50 CT	12.5	.33	.075	1.2	750	6	1.5	12.2:1	24.5:1
	W-26400	71400	81400	7500 CT	100 CT	25	.33	.075	1.2	750	12	3	8.66:1	17.3:1
	W-26405	71405	81405	7500 CT	600 CT	150	.33	.075	1.2	750	72	18	3.54:1	7.07:1
	W-26410	71410	81410	7500 CT	2500 CT	625	.33	.075	1.2	750	300	75	1.73:1	3.46:1
(1)	W-26415	71415	81415	7500 CT	7500 CT	-	.33	.075	1.2	750	900	-	1:1	-
	W-26420	71420	81420	8000 CT	12.8 CT	3.2	.3	.075	1.1	800	1.5	.38	25:1	50:1
	W-26425	71425	81425	8000 CT	1000 CT	250	.3	.075	1.1	800	120	30	2.83:1	5.66:1
(1)	W-26430	71430	81430	8000 CT	1200 CT	-	.3	.075	1.1	800	144	-	2.58:1	-
(1)	W-26435	71435	81435	9000 CT	9000 CT	-	.27	.075	1.1	900	1080	-	1:1	-
	W-26440	71440	81440	10,000 CT	12.8 CT	3.2	.25	.075	1.0	1000	1.5	.38	28:1	56:1
	W-26445	71445	81445	10,000 CT	16 CT	4	.25	.075	1.0	1000	1.92	.48	25:1	50:1
	W-26450	71450	81450	10,000 CT	100 CT	25	.25	.075	1.0	1000	12	3	10:1	20:1
	W-26455	71455	81455	10,000 CT	200 CT	50	.25	.075	1.0	1000	24	6	7.07:1	14.14:1
	W-26460	71460	81460	10,000 CT	500 CT	125	.25	.075	1.0	1000	60	15	4.47:1	8.94:1
	W-26465	71465	81465	10,000 CT	600 CT	150	.25	.075	1.0	1000	72	18	4.08:1	8.16:1
	W-26470	71470	81470	10,000 CT	1000 CT	250	.25	.075	1.0	1000	120	30	3.16:1	6.32:1
	W-26475	71475	81475	10,000 CT	1200 CT	300	.25	.075	1.0	1000	144	36	2.89:1	5.77:1
	W-26480	71480	81480	10,000 CT	1500 CT	375	.25	.075	1.0	1000	180	45	2.58:1	5.16:1
	W-26485	71485	81485	10,000 CT	2000 CT	500	.25	.075	1.0	1000	240	60	2.24:1	4.47:1
	W-26490	71490	81490	10,000 CT	5000 CT	1250	.25	.075	1.0	1000	600	150	1.41:1	2.83:1
	W-26495	71495	81495	10,000 CT	7500 CT	1875	.25	.075	1.0	1000	900	225	1.15:1	2.3:1
	W-26500	71500	81500	10,000 CT	10,000 CT	2500	.25	.075	1.0	1000	1200	300	1:1	2:1
(1)	W-26505	71505	81505	10,000 CT	10,000 CT	-	.25	.075	1.0	1000	1200	-	1:1	-
	W-26510	71510	81510	15,000 CT	400 CT	100	.16	.075	.82	1500	48	12	6.12:1	12.24:1
	W-26515	71515	81515	15,000 CT	500 CT	125	.16	.075	.82	1500	60	15	5.48:1	10.95:1

SPECIFICATIONS

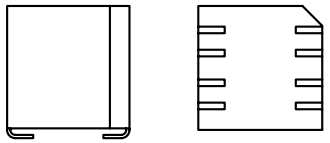
W SERIES (THROUGH HOLE)



71000 SERIES (GULL WING LEADS SURFACE MOUNT)



81000 SERIES (J LEADS SURFACE MOUNT)



	Through Hole	Surface Mount		Primary Impedance	Secondary Impedance with Split Windings		Power		Primary Unbalanced DC Current	Primary DCR	Secondary DCR		Turns Ratio PRI:SEC	
		Gull Wing Leads	J Leads		Series	Parallel	1kHz+	400Hz+			Series	Parallel	Series	Parallel
				[Ω]	[Ω]	[Ω]	[W]	[W]	[mA]	[Ω]	[Ω]	[Ω]		
	W-26520	71520	81520	15,000 CT	600 CT	150	.16	.075	.82	1500	72	18	5:1	10:1
	W-26525	71525	81525	15,000 CT	10,000 CT	2500	.16	.075	.82	1500	1200	300	1.22:1	2.45:1
(1)	W-26530	71530	81530	15,000 CT	15,000 CT	-	.16	.075	.82	1500	1800	-	1:1	-
	W-26535	71535	81535	15,000 CT	15,000 CT	3750	.16	.075	.82	1500	1800	450	1:1	2:1
	W-26540	71540	81540	16,000 CT	1000 CT	250	.15	.075	.8	1600	120	30	4:1	8:1
	W-26545	71545	81545	20,000 CT	500 CT	125	.125	.075	.7	2000	60	15	6.33:1	12.65:1
	W-26550	71550	81550	20,000 CT	600 CT	150	.125	.075	.7	2000	72	18	5.77:1	11.55:1
	W-26555	71555	81555	20,000 CT	800 CT	200	.125	.075	.7	2000	96	24	5:1	10:1
	W-26560	71560	81560	20,000 CT	1000 CT	250	.125	.075	.7	2000	120	30	4.47:1	8.94:1
	W-26565	71565	81565	20,000 CT	5000 CT	1250	.125	.075	.7	2000	600	150	2:1	4:1
	W-26570	71570	81570	20,000 CT	10,000 CT	2500	.125	.075	.7	2000	1200	300	1.41:1	2.83:1
(1)	W-26575	71575	81575	20,000 CT	20,000 CT	-	.125	.075	.7	2000	2400	-	1:1	-
	W-26580	71580	81580	25,000 CT	500 CT	125	.1	.075	.63	2500	60	15	7.07:1	14.14:1
	W-26585	71585	81585	25,000 CT	1000 CT	250	.1	.075	.63	2500	120	30	5:1	10:1
	W-26590	71590	81590	30,000 CT	50 CT	12.5	.083	.075	.58	3000	6	1.5	24.5:1	49:1
	W-26595	71595	81595	30,000 CT	1200 CT	300	.083	.075	.58	3000	144	36	5:1	10:1
	W-26600	71600	81600	30,000 CT	500 CT	125	.083	.075	.58	3000	60	15	7.75:1	15.5:1
	W-26605	71605	81605	30,000 CT	200 CT	50	.083	.075	.58	3000	24	6	12.25:1	24.5:1
	W-26610	71610	81610	30,000 CT	5000 CT	1250	.083	.075	.58	3000	600	150	2.45:1	4.9:1
	W-26615	71615	81615	30,000 CT	10,000 CT	2500	.083	.075	.58	3000	1200	300	1.73:1	3.46:1
(1)	W-26620	71620	81620	30,000 CT	30,000 CT	-	.083	.075	.58	3000	3600	-	1:1	-
	W-26625	71625	81625	40,000 CT	400 CT	100	.062	.062	.5	4000	48	12	10:1	20:1

Note 1: Includes electrostatic shield.

SPECIFICATIONS

GENERAL

Parameter	Condition	Min.	Typ.	Max.	Units
Dielectric Strength	60Hz	-	200	-	V_{RMS}
Insulation Resistance	300VDC	10	-	-	GΩ
Distortion	400Hz & 1kHz @ Rated Power	-	-	5	%
Frequency Response	400 - 100kHz @ 1mW	-3	-	3	dB
Operating Temperature Range	Ambient with temperature rise	-55	-	+130	°C
Storage Temperature Range	Ambient	-55	-	+105	°C
Size	W Series - Diameter x Height	0.35 x 0.32 (8.89 x 8.128)			inches (mm)
	71000 Series - Length x Width x Height	0.375 x 0.375 x 0.4 (9.525 x 9.525 x 10.16)			
	81000 Series - Length x Width x Height	0.375 x 0.375 x 0.405 (9.525 x 9.525 x 10.287)			
Weight	W, 71000, & 81000 Series	-	3	-	grams
Case	W Series	Epoxy Insulated Metal			
	71000 & 81000 Series	Glass Reinforced Polymer			
Potting	Vacuum Impregnated Epoxy				
Box Packaging (L x W x H)	W Series	10.79 x 2.48 x 0.39 (274.066 x 62.992 x 9.906)			inches (mm)
Tube Packaging (W x H x L)	71000 & 81000 Series	0.76 x 0.57 x 20.0 (19.304 x 14.351 x 508)			
Tape & Reel Packaging	Upon request				
Moisture Sensitivity Level	Surface Mount only	Level 3			

OPTIONAL DESIGN CRITERIA

Test	Standard	Description
Vibration	MIL-STD-202	Method 204, Vibration, High Frequency
Shock	MIL-STD-202	Method 213, Shock (Specified Pulse)
Immersion	MIL-STD-202	Method 104, Immersion
Moisture Resistance	MIL-STD-202	Method 106, Moisture Resistance
Flammability	MIL-STD-202	Method 111, Flammability (External Flame)
Thermal Shock	MIL-STD-202	Method 107, Thermal Shock

OPTIONAL SCREENING AND QUALIFICATION

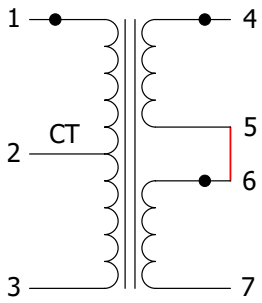
Standard	Screening & Qualification	Test [2]
MIL-PRF-27	a.) Group A inspection Level-T - Table VII b.) Qualification inspection, Grade 5 - Table V	I. Thermal Shock II. Vibration III. Burn-in IV. Induced Voltage V. Shock VI. Dielectric Withstanding Voltage (at reduced pressure) VII. Insulation Resistance VIII. Electrical Characteristics IX. Visual and Mechanical Examination (External) X. Life XI. Radiographic Inspection
MIL-STD-981	a.) Group A screening tests – Table VI b.) Group B tests – Table XII, Class S	
EEE-INST-002, Section M1	a.) Magnetics Screening Req. – Table 2 b.) Magnetics Part Qual. – Table 3	

Note 2: Screening and qualification tests are not limited to the options in the chart above. Each standard may also be stringent or exclude certain tests from one another. Please contact Pico for specific application needs and for Pico part number.

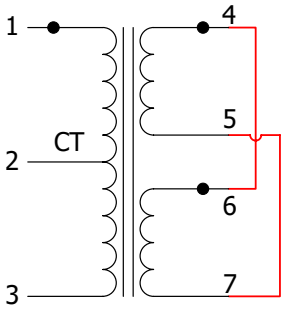
ELECTRICAL SCHEMATIC

W SERIES - THROUGH HOLE

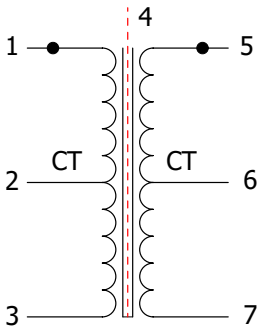
SPLIT SECONDARIES
SERIES CONNECTION



SPLIT SECONDARIES
PARALLEL CONNECTION

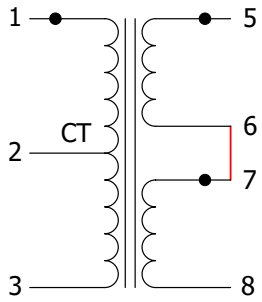


ELECTROSTATIC SHIELD

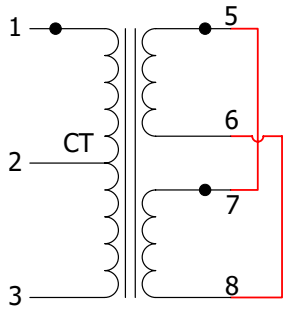


71000 & 81000 SERIES - SURFACE MOUNT

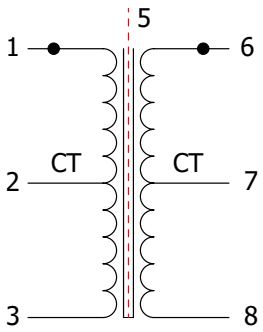
SPLIT SECONDARIES
SERIES CONNECTION



SPLIT SECONDARIES
PARALLEL CONNECTION



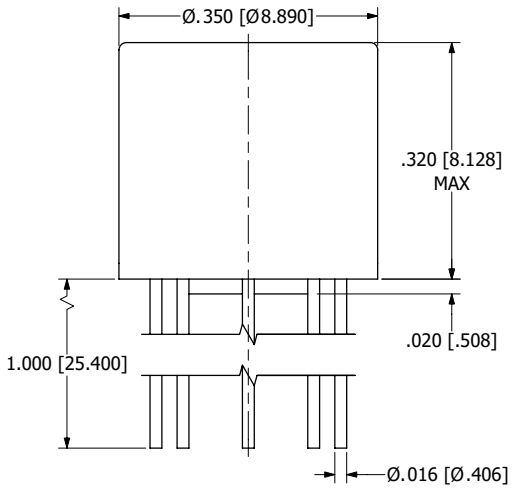
ELECTROSTATIC SHIELD

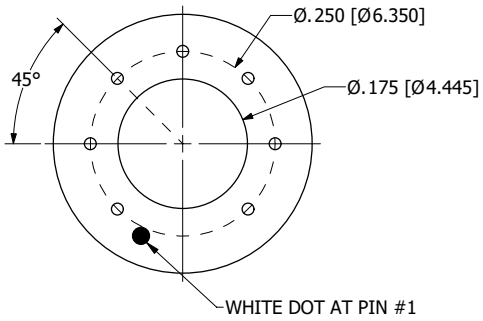


NOTES
a. ANY TERMINALS NOT SHOWN HERE MAY BE USED FOR MECHANICAL STABILITY ON THE PCB ONLY, AS THEY DO NOT HAVE ANY ELECTRICAL CONNECTION.
b. CT STANDS FOR "CENTER-TAP", WHERE THE TOTAL NUMBER OF TURNS IS EVENLY SPLIT BETWEEN THE TOP HALF AND BOTTOM HALF OF A COMPLETE WINDING.

MECHANICAL DRAWINGS

W SERIES - THROUGH HOLE



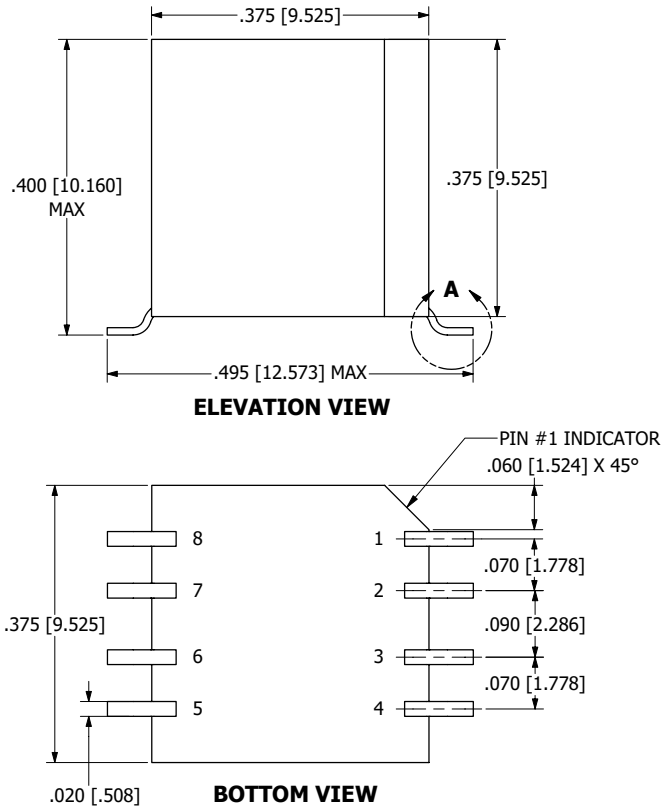


BOTTOM VIEW

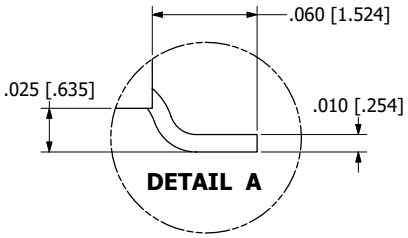
NOTES
a. ALL DIMENSIONS ARE IN INCHES, [ ] = MM
b. TERMINALS ARE CLOCKWISE FROM PIN #1

MECHANICAL DRAWINGS

71000 SERIES - GULL WING LEADS SURFACE MOUNT

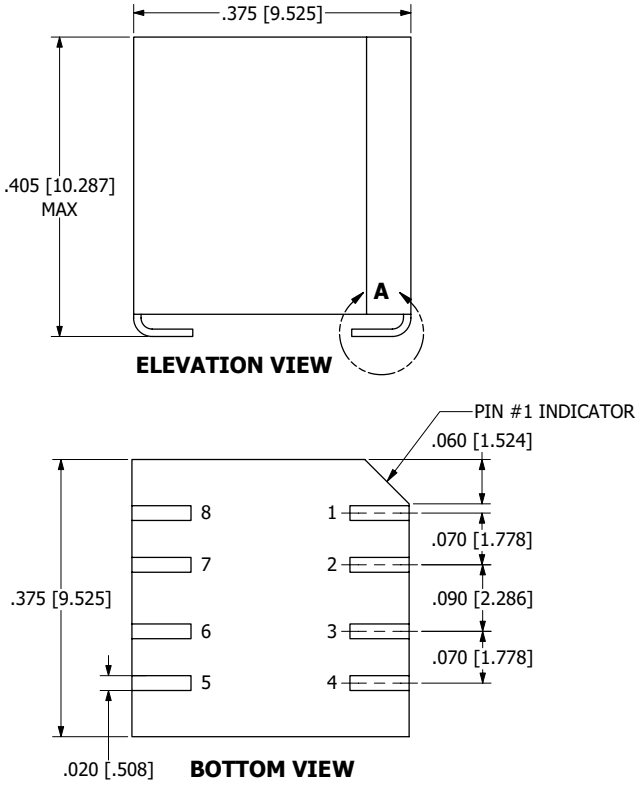


LEAD DETAILS

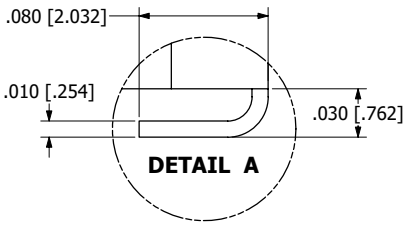


NOTES
a. ALL DIMENSIONS ARE IN INCHES, [ ] = MM
b. TERMINALS ARE CLOCKWISE FROM PIN #1
c. PIN #4 HAS NO CONNECTION

81000 SERIES - J LEADS SURFACE MOUNT



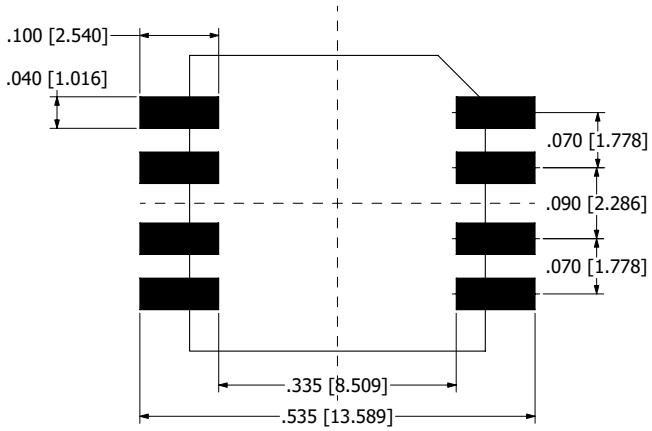
LEAD DETAILS



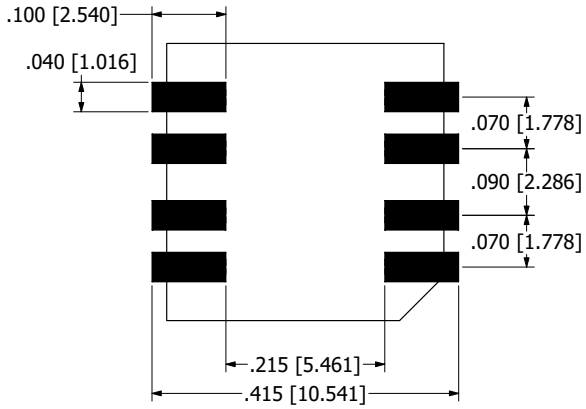
NOTES
a. ALL DIMENSIONS ARE IN INCHES, [ ] = MM
b. TERMINALS ARE CLOCKWISE FROM PIN #1
c. PIN #4 HAS NO CONNECTION

RECOMMENDED LAND PATTERN DIMENSIONS

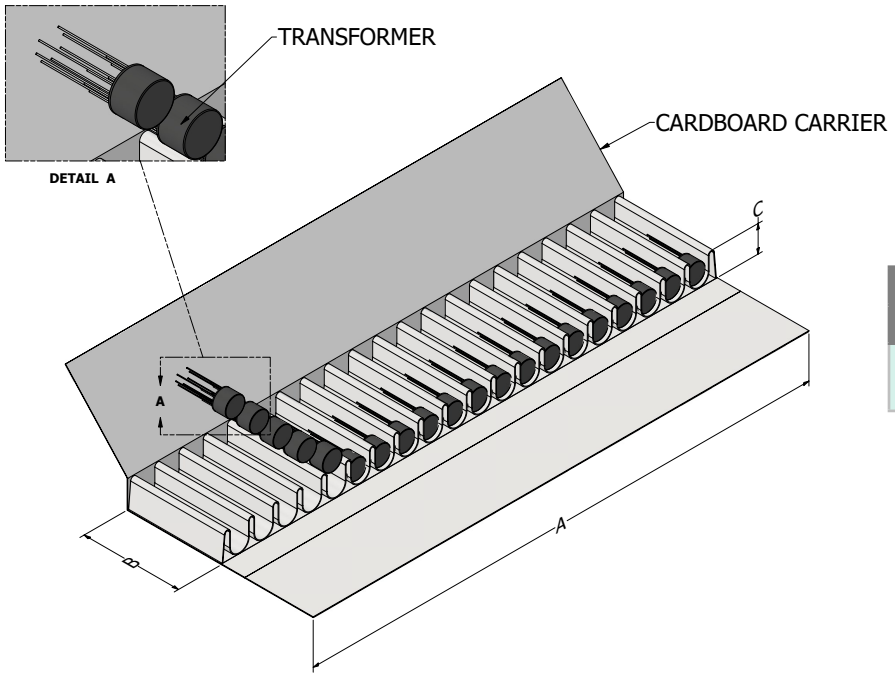
71000 SERIES - GULL WING LEADS SURFACE MOUNT



81000 SERIES - J LEADS SURFACE MOUNT

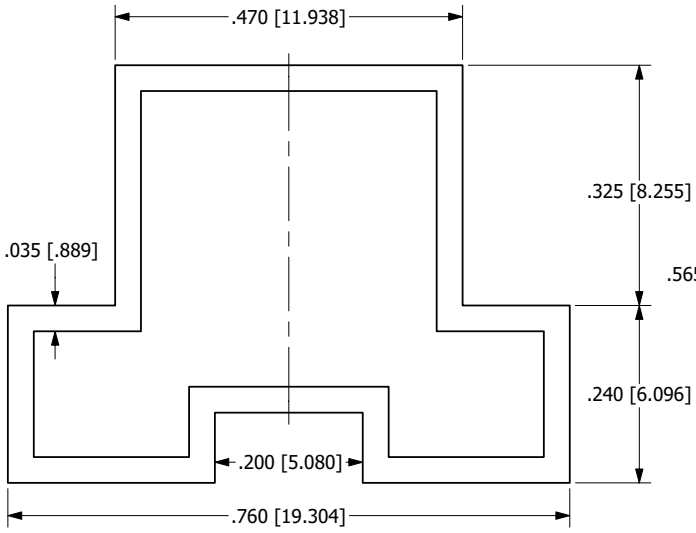


BOX PACKAGING - W SERIES

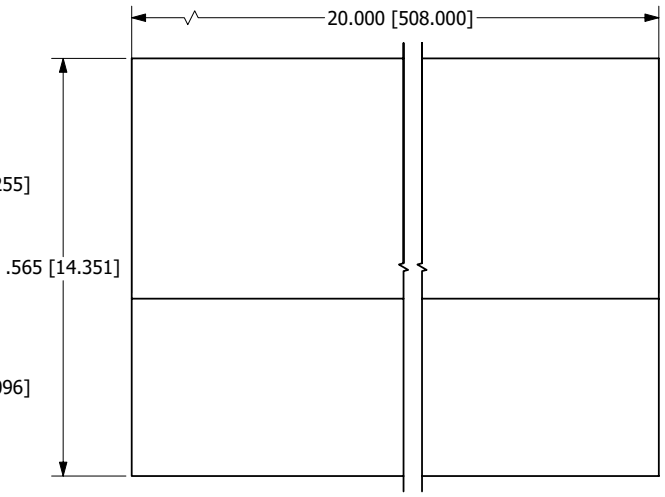


Dimension		
A	B	C
10.79 [274.07]	2.48 [62.99]	0.39 [9.91]

TUBE PACKAGING - 71000 & 81000 SERIES



PLAN VIEW



ELEVATION VIEW