



SEALED POWER INDUCTORS

FEATURES

- I Magnetic shield or plastic shield type inductor.
- I Usable as power supply choke coil.
- I Taped package for automatic insertion.

APPLICATIONS

- I Ideal for use as a power choke coil in general household appliances such as TV set, video appliances and industrial equipment.
- I Can also be used as peaking coil in filtering applications.
- I Communication equipment.

Model	Dimensions (mm)

ORDERING CODE

$\frac{TXXX}{A} - \frac{101}{B} \frac{K}{C}$	<p>A: Model (Taping : TXXX ; Bulk : CXXX) B: Inductance C: Inductance tolerance symbol K : ±10% M : ± 20%</p>
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Model	Construction	Dimensions (mm)					TABLE
		Max. A	Max. B	C±1*	D±0.05	P±0.1	
TWKA	I	9.0	10.0	5.0	0.6	5.0	p.147
TWKB	I	11.0	14.0	5.0	0.6	5.0	p.148
TWKC	I	14.0	17.5	5.0	0.6	5.0	p.149

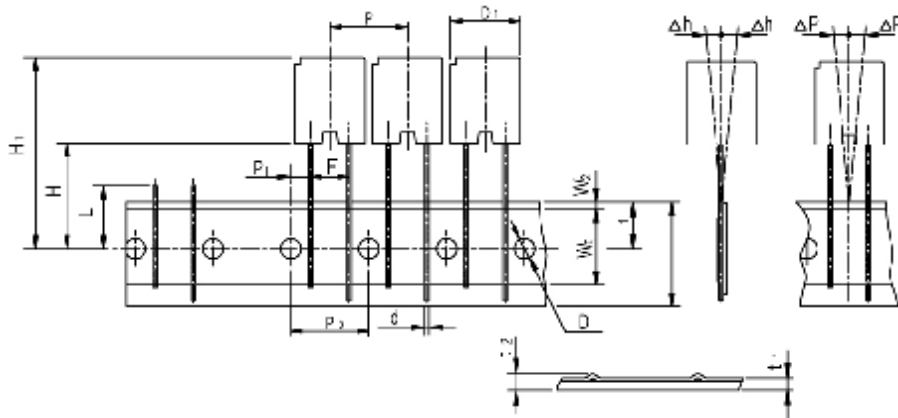
* Pin size in Bulk packing.

※ Specifications other than the above will be furnished upon request.



SEALED POWER INDUCTORS

TAPING SPECIFICATIONS



DESCRIPTION	SYMBOL	TWKA	TWKB	TWKC
Distance between the abscissa and the top of the component body	H ₁	31.0 max.	32.2 max.	37.5max.
Distance between the abscissa and the bottom plane of component body	H	18.0 $\begin{smallmatrix} +2.0 \\ 0 \end{smallmatrix}$	18.0 $\begin{smallmatrix} +2.0 \\ 0 \end{smallmatrix}$	18.0+2.0/0
Component spacing	P	12.7±1.0	12.7±1.0	15.0±1.0
Pitch of the sprocket holes	P ₀	12.7±0.3	12.7±0.3	15.0±0.3
Distance between centers of terminal and sprocket hole	P ₁	3.85±0.7	3.85±0.7	3.75±0.7
Distance between centers of component leads	F	5.0±0.5	5.0±0.5	7.5±0.5
Carrier tape width	W	18.0 $\begin{smallmatrix} +1.0 \\ -0.5 \end{smallmatrix}$	18.0 $\begin{smallmatrix} +1.0 \\ -0.5 \end{smallmatrix}$	18.0 $\begin{smallmatrix} +1.0 \\ -0.5 \end{smallmatrix}$
Hold down tape width	W ₀	12.5 min.	12.5 min.	12.5 min.
Distance between the center of upper edge of carrier tape and sprocket hole	W ₁	9.0±0.5	9.0±0.5	9.0±0.5
Distance between the upper edges of the carrier tape and the hold down tape	W ₂	3.0 max.	3.0 max.	3.0 max.
Diameter of sprocket holes	D	∅ 4.0±0.2	∅ 4.0±0.2	∅ 4.0±0.2
Total thickness of the combined carrier tape and hold down tape	t ₁	0.6±0.3	0.6±0.3	0.6±0.3
	t ₂	1.5 max.	1.5 max.	1.7 max.
Body diameter	D ₁	9.0 max.	11 max.	14 max.
Maximum lateral deviation of the component body vertical to the tape plane	Δh	2.0 max	2.0 max.	2.0 max.
Cut off position of defectives	L	11.0 max.	11.0 max.	11.0 max.
Protrusion of lead beyond carrier tape		1.0 max.	1.0 max.	1.0 max.
Lead diameters	d	∅ 0.6±0.1	∅ 0.6±0.1	∅ 0.8±0.1
Maximum full-face deviation of the component body vertical to the tape plane	ΔP	1.3 max.	1.3 max.	1.3 max.

STRUCTURAL DIAGRAM

Component	Materials	
	1.Drum Core	Ferrite Core
2.Case	Plastic / Ferrite	
3.Winding wire	Poly Urethane enameled copper wire	
4.Terminal	Copper ply steel wire (soldered)/Plated copper wire	
5.Adhesive	Epoxy based adhesive	
6.Solder	Solder (High melting point)	

PACKING

Ammunition pack, and standard packaging quantities are 500 pieces.

※Specifications other than the above will be furnished upon request.



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Specification table of Sealed Power Inductors TWKA

PART No.	INDUCTANCE (μH)	UNLOADED Q (Min.)	S.R.F. (MHz) (Ref.)	D.C.R. (Ω) Max.	RATED CURRENT (A) Max.		STAMP
					Idc 1	Idc 2	
TWKA-1R0M	1.0±20%	28	140	8.1m	10.8	9.0	1R0M
TWKA-1R5M	1.5±20%	30	110	9.5m	9.2	8.4	1R5M
TWKA-2R2M	2.2±20%	26	65	11.5m	6.8	7.2	2R2M
TWKA-2R7M	2.7±20%	26	50	13.0m	6.4	6.6	2R7M
TWKA-3R3M	3.3±20%	25	45	14.0m	5.6	6.0	3R3M
TWKA-3R9M	3.9±20%	27	35	18.5m	4.9	5.3	3R9M
TWKA-4R7M	4.7±20%	26	30	19.5m	4.3	5.0	4R7M
TWKA-5R6M	5.6±20%	30	26	24.0m	4.2	4.6	5R6M
TWKA-6R8M	6.8±20%	36	24	30.5m	4.0	3.7	6R8M
TWKA-8R2M	8.2±20%	30	22	36.0m	3.8	3.4	8R2M
TWKA-100K	10±10%	30	21	42.5m	3.4	3.2	100K
TWKA-120K	12±10%	30	19	44.5m	3.2	3.1	120K
TWKA-150K	15±10%	23	16	52.0m	2.9	2.9	150K
TWKA-180K	18±10%	23	15	58.5m	2.6	2.7	180K
TWKA-220K	22±10%	30	13	75.8m	2.3	2.3	220K
TWKA-270K	27±10%	27	12	85.6m	2.2	2.2	270K
TWKA-330K	33±10%	30	10	0.11	2.0	2.0	330K
TWKA-390K	39±10%	30	9.4	0.12	1.8	1.62	390K
TWKA-470K	47±10%	33	9.0	0.14	1.7	1.53	470K
TWKA- 560K	56±10%	33	8.5	0.18	1.5	1.37	560K
TWKA- 680K	68±10%	33	8.0	0.20	1.4	1.23	680K
TWKA- 820K	82±10%	33	6.6	0.25	1.3	1.20	820K
TWKA- 101K	100±10%	33	6.1	0.30	1.1	1.14	101K
TWKA- 121K	120±10%	36	5.7	0.35	1.0	1.06	121K
TWKA- 151K	150±10%	42	4.4	0.43	0.9	0.95	151K
TWKA- 181K	180±10%	48	4.3	0.54	0.80	0.72	181K
TWKA- 221K	220±10%	46	4.0	0.61	0.77	0.70	221K
TWKA- 271K	270±10%	46	3.5	0.80	0.70	0.60	271K
TWKA- 331K	330±10%	60	3.1	1.0	0.63	0.52	331K
TWKA- 391K	390±10%	60	2.9	1.1	0.58	0.50	391K
TWKA- 471K	470±10%	60	2.7	1.2	0.54	0.46	471K
TWKA- 561K	560±10%	65	2.5	1.6	0.48	0.41	561K
TWKA- 681K	680±10%	62	2.3	1.8	0.44	0.40	681K
TWKA- 821K	820±10%	72	1.9	2.3	0.40	0.32	821K
TWKA- 102K	1000±10%	68	1.7	2.6	0.36	0.31	102K
TWKA- 122K	1200±10%	80	1.5	3.5	0.33	0.26	122K
TWKA- 152K	1500±10%	80	1.4	4.1	0.30	0.25	152K
TWKA- 182K	1800±10%	85	1.3	5.0	0.26	0.22	182K
TWKA- 222K	2200±10%	90	1.2	6.4	0.24	0.20	222K
TWKA- 272K	2700±10%	90	1.1	7.4	0.22	0.19	272K
TWKA- 332K	3300±10%	90	1.0	9.5	0.20	0.18	332K
TWKA- 392K	3900±10%	94	0.96	12.2	0.18	0.17	392K
TWKA- 472K	4700±10%	94	0.90	14.0	0.17	0.16	472K
TWKA- 562K	5600±10%	94	0.77	16.6	0.15	0.12	562K
TWKA- 682K	6800±10%	94	0.70	18.8	0.14	0.11	682K
TWKA- 822K	8200±10%	94	0.65	25.0	0.13	93m	822K
TWKA- 103K	10000±10%	94	0.60	28.8	0.11	90m	103K
TWKA- 123K	12000±10%	90	0.52	37.8	0.10	80m	123K
TWKA- 153K	15000±10%	88	0.45	43.4	95m	75m	153K
TWKA-183K	18000±10%	88	0.43	49.5	90m	70m	183K
TWKA- 223K	22000±10%	75	0.36	70.0	80m	60m	223K
TWKA- 273K	27000±10%	75	0.35	79.5	70m	50m	273K
TWKA- 333K	33000±10%	65	0.32	91.2	60m	45m	333K

Idc 1: The current when the inductance decreases to 90% of initial value. (Ta=25°C)

Idc 2: The current when the temperature of coils is increased by 40°C. (Ta= 25°C)

The rated current indicates the DC current when the inductance decreased to 90% of its initial value or the DC current when the temperature of coil is increased by 40°C. The smaller one is defined as rated current. (Ta=25°C)

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SEALED POWER INDUCTORS

Specification table of Sealed Power Inductors TWKB

PART No.	INDUCTANCE (μ H)	UNLOADED Q (Min.)	S.R.F. (MHz) (Ref.)	D.C.R. (Ω) Max.	RATED CURRENT (A) Max.		STAMP
					Idc 1	Idc 2	
TWKB-3R3M	3.3 \pm 20%	30	58	18m	10.4	6.4	3R3M
TWKB-3R9M	3.9 \pm 20%	35	55	20m	9.9	5.4	3R9M
TWKB-4R7M	4.7 \pm 20%	35	50	21m	8.4	5.2	4R7M
TWKB-5R6M	5.6 \pm 20%	35	38	24m	8.0	4.5	5R6M
TWKB-6R8M	6.8 \pm 20%	35	30	26m	7.2	4.3	6R8M
TWKB-8R2M	8.2 \pm 20%	35	25	28m	6.8	4.0	8R2M
TWKB-100K	10 \pm 10%	30	20	31m	6.2	3.8	100K
TWKB-120K	12 \pm 10%	30	13	34m	5.4	3.7	120K
TWKB-150K	15 \pm 10%	30	9.8	38m	5.0	3.4	150K
TWKB-180K	18 \pm 10%	35	9.0	45m	4.5	3.0	180K
TWKB-220K	22 \pm 10%	35	8.0	56m	4.1	2.8	220K
TWKB-270K	27 \pm 10%	35	7.4	65m	3.6	2.6	270K
TWKB-330K	33 \pm 10%	35	7.2	70m	3.2	2.5	330K
TWKB-390K	39 \pm 10%	35	6.8	78m	2.8	2.4	390K
TWKB-470K	47 \pm 10%	30	5.7	88m	2.6	2.2	470K
TWKB-560K	56 \pm 10%	30	5.5	0.11	2.4	2.0	560K
TWKB-680K	68 \pm 10%	30	5.2	0.13	2.2	1.82	680K
TWKB-820K	82 \pm 10%	30	4.9	0.15	2.0	1.68	820K
TWKB-101K	100 \pm 10%	30	4.3	0.16	1.84	1.54	101K
TWKB-121K	120 \pm 10%	30	3.8	0.21	1.68	1.27	121K
TWKB-151K	150 \pm 10%	40	3.2	0.28	1.44	1.13	151K
TWKB-181K	180 \pm 10%	40	3.0	0.30	1.36	1.04	181K
TWKB-221K	220 \pm 10%	40	2.8	0.35	1.20	0.96	221K
TWKB-271K	270 \pm 10%	40	2.6	0.44	1.12	0.88	271K
TWKB-331K	330 \pm 10%	40	2.3	0.55	1.04	0.76	331K
TWKB-391K	390 \pm 10%	40	2.0	0.66	0.96	0.73	391K
TWKB-471K	470 \pm 10%	50	1.8	0.80	0.88	0.67	471K
TWKB-561K	560 \pm 10%	50	1.7	0.90	0.80	0.62	561K
TWKB-681K	680 \pm 10%	50	1.4	1.13	0.72	0.59	681K
TWKB-821K	820 \pm 10%	50	1.3	1.25	0.66	0.55	821K
TWKB-102K	1000 \pm 10%	50	1.2	1.56	0.64	0.48	102K
TWKB-122K	1200 \pm 10%	50	1.1	1.92	0.56	0.42	122K
TWKB-152K	1500 \pm 10%	50	1.0	2.16	0.48	0.40	152K
TWKB-182K	1800 \pm 10%	70	0.92	2.80	0.46	0.36	182K
TWKB-222K	2200 \pm 10%	70	0.84	3.48	0.40	0.32	222K
TWKB-272K	2700 \pm 10%	70	0.80	4.20	0.35	0.28	272K
TWKB-332K	3300 \pm 10%	80	0.60	5.50	0.32	0.25	332K
TWKB-392K	3900 \pm 10%	80	0.58	6.00	0.28	0.22	392K
TWKB-472K	4700 \pm 10%	80	0.55	7.56	0.27	0.18	472K
TWKB-562K	5600 \pm 10%	80	0.52	8.52	0.26	0.17	562K
TWKB-682K	6800 \pm 10%	80	0.46	10.6	0.24	0.16	682K
TWKB-822K	8200 \pm 10%	80	0.43	12.0	0.21	0.15	822K
TWKB-103K	10000 \pm 10%	80	0.37	17.0	0.20	0.14	103K
TWKB-123K	12000 \pm 10%	80	0.36	19.2	0.18	0.12	123K
TWKB-153K	15000 \pm 10%	80	0.30	24.6	0.16	0.11	153K
TWKB-183K	18000 \pm 10%	80	0.28	32.4	0.14	0.10	183K
TWKB-223K	22000 \pm 10%	70	0.26	37.2	0.12	92m	223K
TWKB-273K	27000 \pm 10%	70	0.24	46.0	0.11	80m	273K
TWKB-333K	33000 \pm 10%	50	0.21	52.8	95m	75m	333K
TWKB-393K	39000 \pm 10%	50	0.20	67.6	85m	68m	393K
TWKB-473K	47000 \pm 10%	50	0.19	75.6	80m	62m	473K
TWKB-563K	56000 \pm 10%	20	0.15	102	70m	54m	563K
TWKB-683K	68000 \pm 10%	20	0.14	115	60m	50m	683K
TWKB-823K	82000 \pm 10%	-	0.12	160	55m	45m	823K
TWKB-104K	100000 \pm 10%	-	0.11	192	50m	42m	104K
TWKB-124K	120000 \pm 10%	-	0.10	270	45m	38m	124K
TWKB-154K	150000 \pm 10%	-	0.09	308	40m	30m	154K

Idc 1: The current when the inductance decreases to 90% of initial value. (Ta=25°C)

Idc 2: The current when the temperature of coils is increased by 40°C. (Ta= 25°C)

The rated current indicates the DC current when the inductance decreased to 90% of its initial value or the DC current when the temperature of coil is increased by 40°C. The smaller one is defined as rated current. (Ta=25°C)

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SEALED POWER INDUCTORS

Specification table of Sealed Power Inductors TWKC

PART No.	INDUCTANCE (μH)	UNLOADED Q (Min.)	S.R.F. (MHz) (Ref.)	D.C.R. (Ω) Max.	RATED CURRENT (A)		STAMP	
					Max.			
					Idc 1	Idc 2		
TWKC-2R7M	2.7±20%	35		77.4	12.9m	15.3	6.8	2R7M
TWKC-3R3M	3.3±20%	41		67.5	12.8m	14.4	6.6	3R3M
TWKC-4R7M	4.7±20%	43		61.3	15.3m	13.0	6.4	4R7M
TWKC-5R6M	5.6±20%	49		55.0	18.0m	12.4	6.2	5R6M
TWKC-6R8M	6.8±20%	53		46.0	19.3m	11.4	6.0	6R8M
TWKC-8R2M	8.2±20%	42		33.0	21.5m	9.4	5.5	8R2M
TWKC-100K	10±10%	45		24.7	23.3m	9.2	5.4	100K
TWKC-120K	12±10%	38		17.8	26.7m	7.8	4.9	120K
TWKC-150K	15±10%	41		14.1	27.8m	7.6	4.4	150K
TWKC-180K	18±10%	38		10.0	31.0m	6.5	4.3	180K
TWKC-220K	22±10%	40		7.5	33.7m	6.1	4.2	220K
TWKC-270K	27±10%	31		7.2	41.0m	5.2	4.0	270K
TWKC-330K	33±10%	31		6.9	42.4m	5.0	3.9	330K
TWKC-390K	39±10%	27		6.2	47.9m	4.5	3.5	390K
TWKC-470K	47±10%	25		5.6	52.8m	4.0	3.3	470K
TWKC-560K	56±10%	39		5.3	66.1m	3.7	3.0	560K
TWKC-680K	68±10%	31		4.2	79.3m	3.2	2.5	680K
TWKC-820K	82±10%	40		4.0	95.3m	2.9	2.4	820K
TWKC-101K	100±10%	31		3.8	114m	2.7	2.0	101K
TWKC-121K	120±10%	42		3.3	132m	2.5	1.8	121K
TWKC-151K	150±10%	35		2.8	162m	2.1	1.6	151K
TWKC-181K	180±10%	42		2.7	193m	2	1.5	181K
TWKC-221K	220±10%	38		2.3	243m	1.8	1.3	221K
TWKC-271K	270±10%	48		2.1	286m	1.7	1.2	271K
TWKC-331K	330±10%	46		1.8	367m	1.5	1.0	331K
TWKC-391K	390±10%	59		1.7	426m	1.4	0.98	391K
TWKC-471K	470±10%	36		1.6	470m	1.2	0.94	471K
TWKC-561K	560±10%	47		1.5	540m	1.1	0.89	561K
TWKC-681K	680±10%	38		1.3	653m	1.0	0.80	681K
TWKC-821K	820±10%	50		1.2	777m	0.96	0.74	821K
TWKC-102K	1000±10%	58		1.0	1.1	0.80	0.62	102K
TWKC-122K	1200±10%	49		0.98	1.3	0.82	0.57	122K
TWKC-152K	1500±10%	59		0.92	1.5	0.71	0.52	152K
TWKC-182K	1800±10%	49		0.88	1.8	0.65	0.49	182K
TWKC-222K	2200±10%	70		0.73	2.4	0.58	0.40	222K
TWKC-272K	2700±10%	63		0.68	2.9	0.53	0.38	272K
TWKC-332K	3300±10%	60		0.63	3.0	0.48	0.37	332K
TWKC-392K	3900±10%	66		0.58	4.1	0.44	0.34	392K
TWKC-472K	4700±10%	64		0.53	4.3	0.40	0.30	472K
TWKC-562K	5600±10%	72		0.47	5.9	0.37	0.27	562K
TWKC-682K	6800±10%	70		0.43	6.2	0.34	0.25	682K
TWKC-822K	8200±10%	64		0.40	7.5	0.30	0.23	822K
TWKC-103K	10000±10%	64		0.38	8.4	0.28	0.20	103K
TWKC-123K	12000±10%	77		0.32	13	0.25	0.18	123K
TWKC-153K	15000±10%	74		0.29	16	0.22	0.16	153K
TWKC-183K	18000±10%	64		0.24	19	0.20	0.14	183K
TWKC-223K	22000±10%	63		0.23	24	0.18	0.12	223K
TWKC-273K	27000±10%	56		0.20	31	0.16	0.11	273K
TWKC-333K	33000±10%	53		0.19	39	0.15	95m	333K
TWKC-393K	39000±10%	52		0.18	52	0.14	80m	393K
TWKC-473K	47000±10%	25		0.14	62	0.12	75m	473K
TWKC-563K	56000±10%	19		0.13	69	0.11	70m	563K
TWKC-683K	68000±10%	18		0.12	93	0.10	65m	683K
TWKC-823K	82000±10%	11		0.11	105	95m	60m	823K
TWKC-104K	100000±10%	7		0.10	120	85m	55m	104K

Idc 1: The current when the inductance decreases to 90% of initial value. (Ta=25°C)

Idc 2: The current when the temperature of coils is increased by 40°C. (Ta= 25°C)

The rated current indicates the DC current when the inductance decreased to 90% of its initial value or the DC current when the temperature of coil is increased by 40°C. The smaller one is defined as rated current. (Ta=25°C)

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APPLICATIONS

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- I Can also be used as peaking coil in filtering applications.
- I Communication equipment.

Model	Dimensions (mm)		

ORDERING CODE

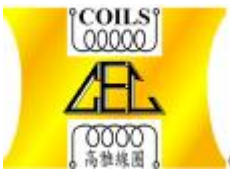
$\frac{\text{TXXX}}{\text{A}} - \frac{\text{M}}{\text{B}} \frac{101}{\text{C}} \frac{\text{K}}{\text{D}}$	<p>A: Model (Taping : TXXX ; Bulk : CXXX)</p> <p>B: M = Magnetic Shielding</p> <p>C: Inductance</p> <p>D: Inductance tolerance symbol</p>
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Model	Construction	Dimensions (mm)					TABLE
		A ±0.5	B±0.5	*C±1	D±0.05	P±0.1	
TWP7	I	7.3	11	5.0	0.6	5.0	-
TWP8	I	8.3	9.7	5.0	0.6	5.0	p.152
TWP9	I	9.0	8.3	5.0	0.6	5.0	p.153
TPAD**	I	10.5	13.5	5.0	0.8	5.0	p.154
TPDG**	I	13.5	16.5	5.0	0.8	7.5	p.155
TWP8-M	I	8.7	10.8	5.0	0.6	5.0	-
TWPA-M	I	10.5	9.0	5.0	0.6	5.0	-

Note: * In Bulk packing.

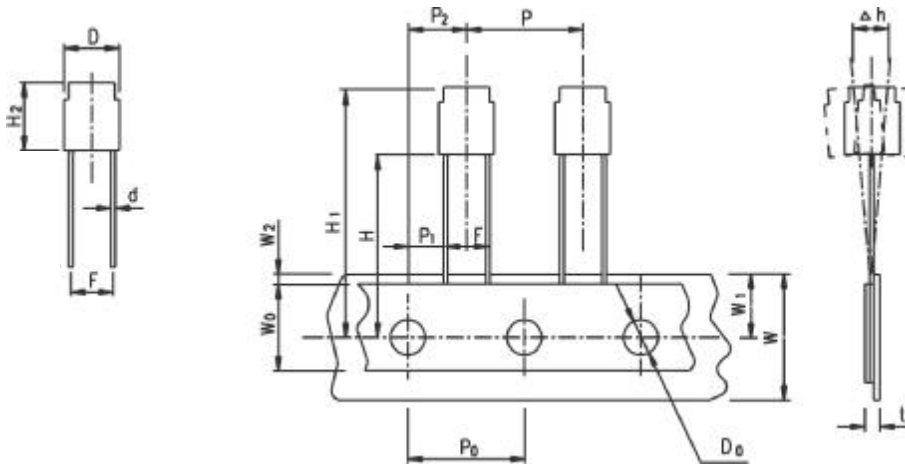
** Terminals are copper ply steel wire and soldered.

※ Specifications other than the above will be furnished upon request.



SEALED POWER INDUCTORS

TAPING SPECIFICATIONS



Dimensions (mm)

SYMBOL	TWP7	TWP8	TWP9	TPAD	TPDG	TWP8-M	TWPA-M
D±0.5	7.3	8.3	9.0	10.5	13.5	8.7	10.5
H ₁ max	31.5	30.2	28.8	34.0	37.0	31.3	29.5
H ₂ max	11.5	10.2	8.8	14.0	17.0	11.3	9.5
H max	18.0	18.0	18.0	18.0	18.0	18.0	18.0
P±1.0	12.7	12.7	12.7	12.7	15.0	12.7	12.7
P ₀ ±0.3	12.7	12.7	12.7	12.7	15.0	12.7	12.7
P ₁ ±0.7	3.85	3.85	3.85	3.85	3.75	3.85	3.85
P ₂ ±1.3	6.35	6.35	6.35	6.35	7.50	6.35	6.35
F±0.5	5.0	5.0	5.0	5.0	7.5	5.0	5.0
d±0.05	0.6	0.6	0.6	0.8	0.8	0.6	0.6
Δh±2.0	0	0	0	0	0	0	0
W ^{+1.0} -0.5	18.0	18.0	18.0	18.0	18.0	18.0	18.0
W ₀ min	12.5	12.5	12.5	12.5	12.5	12.5	12.5
W ₁ ±0.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0
W ₂ max	3.0	3.0	3.0	3.0	3.0	3.0	3.0
D ₀ ±0.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0

STRUCTURAL DIAGRAM

Component	Materials
1. Drum Core	Ferrite Core
2. Case	Plastic / Ferrite
3. Winding wire	Poly Urethane enameled copper wire
4. Terminal	Copper ply steel wire (soldered)/Plated copper wire
5. Adhesive	Epoxy based adhesive
6. Solder	Solder (High melting point)

PACKING

Ammunition pack, and standard packaging quantities are 1000 pieces.

※Specifications other than the above will be furnished upon request.



SEALED POWER INDUCTORS

Specification table of Sealed Power Inductors TWP8

Model	Inductance uH	Q Min.	DCR W Max.	DCI A Max.	SRF MHz Min	Measuring Frequency
TWP8-1R0□	1.0	80	0.013	3.800	75.0	7.96MHz
TWP8-1R5□	1.5	80	0.014	3.400	65.0	7.96MHz
TWP8-2R2□	2.2	80	0.017	3.000	55.0	7.96MHz
TWP8-2R7□	2.7	80	0.019	2.800	48.0	7.96MHz
TWP8-3R3□	3.3	80	0.021	2.600	40.0	7.96MHz
TWP8-3R9□	3.9	80	0.024	2.300	35.0	7.96MHz
TWP8-4R7□	4.7	80	0.027	2.000	30.0	7.96MHz
TWP8-5R6□	5.6	70	0.030	1.900	25.0	7.96MHz
TWP8-6R8□	6.8	70	0.035	1.800	23.0	7.96MHz
TWP8-8R2□	8.2	70	0.040	1.700	20.0	7.96MHz
TWP8-100□	10	70	0.046	1.600	17.0	2.52MHz
TWP8-120□	12	70	0.052	1.500	14.0	2.52MHz
TWP8-150□	15	70	0.058	1.400	13.0	2.52MHz
TWP8-180□	18	70	0.070	1.350	12.0	2.52MHz
TWP8-220□	22	70	0.080	1.250	11.0	2.52MHz
TWP8-270□	27	60	0.10	1.180	10.0	2.52MHz
TWP8-330□	33	60	0.11	1.100	9.00	2.52MHz
TWP8-390□	39	60	0.12	1.050	8.20	2.52MHz
TWP8-470□	47	60	0.15	0.950	7.50	2.52MHz
TWP8-560□	56	50	0.18	0.880	7.00	2.52MHz
TWP8-680□	68	50	0.22	0.800	6.50	2.52MHz
TWP8-820□	82	50	0.26	0.750	6.00	2.52MHz
TWP8-101□	100	25	0.34	0.650	5.00	796kHz
TWP8-121□	120	25	0.38	0.600	4.50	796kHz
TWP8-151□	150	25	0.45	0.550	4.00	796kHz
TWP8-181□	180	25	0.52	0.520	3.70	796kHz
TWP8-221□	220	25	0.65	0.480	3.40	796kHz
TWP8-271□	270	25	0.78	0.440	3.20	796kHz
TWP8-331□	330	25	0.95	0.380	2.80	796kHz
TWP8-391□	390	25	1.10	0.350	2.60	796kHz
TWP8-471□	470	25	1.40	0.320	2.40	796kHz
TWP8-561□	560	25	1.60	0.280	2.30	796kHz
TWP8-681□	680	25	2.00	0.250	2.10	796kHz
TWP8-821□	820	25	2.20	0.230	1.90	796kHz
TWP8-102□	1000	70	3.10	0.200	1.60	252kHz
TWP8-122□	1200	70	3.60	0.180	1.40	252kHz
TWP8-152□	1500	70	4.20	0.160	1.30	252kHz
TWP8-182□	1800	70	5.50	0.150	1.15	252kHz
TWP8-222□	2200	70	6.50	0.130	1.05	252kHz
TWP8-272□	2700	70	8.10	0.120	0.95	252kHz
TWP8-332□	3300	70	9.20	0.110	0.90	252kHz
TWP8-392□	3900	70	10.5	0.100	0.80	252kHz
TWP8-472□	4700	70	14.5	0.090	0.70	252kHz
TWP8-562□	5600	70	16.0	0.080	0.60	252kHz
TWP8-682□	6800	70	18.5	0.075	0.55	252kHz
TWP8-822□	8200	70	25.0	0.070	0.50	252kHz
TWP8-103□	10000	70	30.0	0.060	0.45	L: 1 kHz Q: 79.6kHz
TWP8-123□	12000	70	42.0	0.055	0.40	
TWP8-153□	15000	70	47.0	0.045	0.36	
TWP8-183□	18000	70	65.0	0.040	0.32	
TWP8-223□	22000	70	72.0	0.035	0.30	
TWP8-273□	27000	70	105	0.030	0.27	
TWP8-333□	33000	70	120	0.025	0.24	

※Specifications other than the above will be furnished upon request.



SEALED POWER INDUCTORS

Specification table of Sealed Power Inductors TWP9

Model	Inductance at 1kHz (μH)	Q Min.	DCR W Max	DCI A MAX	SRF MHz Min	Measuring Frequency
TWP9-1R0M	1.0	115	0.014	4.0	123.3	7.96MHz
TWP9-1R5M	1.5	115	0.017	4.0	83.7	7.96MHz
TWP9-2R2M	2.2	120	0.018	4.0	48.2	7.96MHz
TWP9-2R7M	2.7	100	0.023	4.0	39.2	7.96MHz
TWP9-3R3M	3.3	100	0.023	4.0	36.5	7.96MHz
TWP9-3R9M	3.9	115	0.026	4.0	32.9	7.96MHz
TWP9-4R7M	4.7	80	0.030	3.42	30.4	7.96MHz
TWP9-5R6M	5.6	90	0.038	3.15	27.7	7.96MHz
TWP9-6R8M	6.8	75	0.044	2.93	23.7	7.96MHz
TWP9-8R2M	8.2	65	0.047	2.65	21.9	7.96MHz
TWP9-100K	10	55	0.051	2.34	21.5	2.52MHz
TWP9-120K	12	55	0.053	2.06	17.7	2.52MHz
TWP9-150K	15	45	0.072	1.89	17.1	2.52MHz
TWP9-180K	18	50	0.090	1.71	14.1	2.52MHz
TWP9-220K	22	45	0.098	1.58	13.3	2.52MHz
TWP9-270K	27	55	0.123	1.35	13.3	2.52MHz
TWP9-330K	33	45	0.134	1.21	11.5	2.52MHz
TWP9-390K	39	50	0.152	1.06	11.0	2.52MHz
TWP9-470K	47	50	0.186	1.05	8.7	2.52MHz
TWP9-560K	56	45	0.211	0.90	7.8	2.52MHz
TWP9-680K	68	40	0.238	0.81	7.2	2.52MHz
TWP9-820K	82	30	0.274	0.72	6.6	2.52MHz
TWP9-101K	100	30	0.376	0.72	6.6	796kHz
TWP9-121K	120	30	0.422	0.63	6.4	796kHz
TWP9-151K	150	20	0.499	0.54	5.9	796kHz
TWP9-181K	180	25	0.611	0.47	5.1	796kHz
TWP9-221K	220	20	0.740	0.40	4.6	796kHz
TWP9-271K	270	25	0.966	0.37	3.9	796kHz
TWP9-331K	330	30	1.25	0.32	3.7	796kHz
TWP9-391K	390	25	1.41	0.29	3.5	796kHz
TWP9-471K	470	20	1.61	0.25	3.3	796kHz
TWP9-561K	560	30	2.05	0.23	2.70	796kHz
TWP9-681K	680	20	2.29	0.22	2.40	796kHz
TWP9-821K	820	30	3.11	0.21	2.30	796kHz
TWP9-102K	1000	35	2.70	0.17	1.99	252kHz
TWP9-122K	1200	55	3.53	0.17	1.72	252kHz
TWP9-152K	1500	45	4.03	0.16	1.58	252kHz
TWP9-182K	1800	80	6.12	0.15	1.37	252kHz
TWP9-222K	2200	75	6.97	0.14	1.30	252kHz
TWP9-272K	2700	65	8.00	0.13	1.17	252kHz
TWP9-332K	3300	85	11.3	0.12	0.945	252kHz
TWP9-392K	3900	80	12.6	0.10	0.864	252kHz
TWP9-472K	4700	80	14.6	0.10	0.819	252kHz
TWP9-562K	5600	70	16.3	0.090	0.766	252kHz

※Specifications other than the above will be furnished upon request.



SEALED POWER INDUCTORS

Specification table of Sealed Power Inductors TPAD							
Model	Inductance At 1KHz (μ H)	Q Min	S.R.F MHz (Min)	D.C.R W (Max)	Rated current (A)		Measuring Frequency
					L Down	Temperature rise	
TPAD-3R3M	3.3	50	46	0.019	9.0	4.2	7.96MHz
TPAD-3R9M	3.9	50	40	0.022	8.0	4.1	7.96MHz
TPAD-4R7M	4.7	50	38	0.024	7.1	4.0	7.96MHz
TPAD-5R6M	5.6	50	34	0.025	6.7	3.8	7.96MHz
TPAD-6R8M	6.8	50	30	0.028	6.3	3.4	7.96MHz
TPAD-8R2M	8.2	50	24	0.031	5.5	3.3	7.96MHz
TPAD-100K	10	90	19	0.034	4.7	3.2	2.52MHz
TPAD-120K	12	90	16	0.038	4.4	2.8	2.52MHz
TPAD-150K	15	90	12	0.042	4.3	2.6	2.52MHz
TPAD-180K	18	90	9.2	0.046	3.9	2.4	2.52MHz
TPAD-220K	22	60	8.6	0.061	3.4	2.1	2.52MHz
TPAD-270K	27	60	7.1	0.069	3.0	2.0	2.52MHz
TPAD-330K	33	60	6.8	0.078	2.7	1.9	2.52MHz
TPAD-390K	39	60	6.7	0.085	2.5	1.8	2.52MHz
TPAD-470K	47	50	6.2	0.093	2.3	1.7	2.52MHz
TPAD-560K	56	50	5.2	0.10	2.1	1.6	2.52MHz
TPAD-680K	68	40	4.9	0.12	2.0	1.5	2.52MHz
TPAD-820K	82	40	4.7	0.13	1.8	1.4	2.52MHz
TPAD-101K	100	40	3.8	0.18	1.5	1.2	796kHz
TPAD-121K	120	40	3.2	0.25	1.4	1.0	796kHz
TPAD-151K	150	40	2.9	0.29	1.3	0.95	796kHz
TPAD-181K	180	40	2.6	0.40	1.2	0.80	796kHz
TPAD-221K	220	40	2.3	0.44	1.1	0.75	796kHz
TPAD-271K	270	30	2.1	0.50	1.0	0.70	796kHz
TPAD-331K	330	30	2.0	0.56	0.91	0.68	796kHz
TPAD-391K	390	30	1.8	0.62	0.82	0.63	796kHz
TPAD-471K	470	30	1.7	0.83	0.77	0.57	796kHz
TPAD-561K	560	30	1.5	0.93	0.70	0.52	796kHz
TPAD-681K	680	30	1.4	1.0	0.66	0.48	796kHz
TPAD-821K	820	30	1.3	1.4	0.52	0.42	796kHz
TPAD-102K	1000	50	1.2	1.8	0.49	0.41	252kHz
TPAD-122K	1200	50	0.87	2.3	0.46	0.33	252kHz
TPAD-152K	1500	50	0.83	2.7	0.40	0.30	252kHz
TPAD-182K	1800	50	0.75	3.0	0.37	0.29	252kHz
TPAD-222K	2200	50	0.70	3.9	0.33	0.25	252kHz
TPAD-272K	2700	50	0.67	4.3	0.32	0.24	252kHz
TPAD-332K	3300	50	0.56	5.8	0.30	0.21	252kHz
TPAD-392K	3900	50	0.54	6.4	0.28	0.20	252kHz
TPAD-472K	4700	50	0.49	7.1	0.25	0.19	252kHz
TPAD-562K	5600	50	0.41	9.0	0.22	0.17	252kHz
TPAD-682K	6800	50	0.38	10	0.21	0.16	252kHz
TPAD-822K	8200	50	0.36	12	0.19	0.15	252kHz
TPAD-103K	10000	60	0.29	19	0.15	0.12	L: 1 kHz Q: 79.6kHz
TPAD-123K	12000	60	0.27	21	0.14	0.11	
TPAD-153K	15000	60	0.24	34	0.13	0.09	
TPAD-183K	18000	60	0.21	38	0.12	0.08	
TPAD-223K	22000	60	0.20	43	0.11	0.075	
TPAD-273K	27000	40	0.15	67	0.098	0.06	
TPAD-333K	33000	40	0.14	76	0.094	0.056	
TPAD-393K	39000	40	0.13	84	0.084	0.053	
TPAD-473K	47000	40	0.12	96	0.075	0.05	
TPAD-563K	56000	30	0.10	170	0.072	0.036	
TPAD-683K	68000	30	0.095	200	0.071	0.035	
TPAD-823K	82000	30	0.088	210	0.063	0.033	
TPAD-104K	100000	30	0.085	240	0.058	0.031	L: 1kHz Q: 25.2kHz
TPAD-124K	120000	30	0.070	260	0.053	0.030	
TPAD-154K	150000	30	0.69	300	0.048	0.028	

※ Specifications other than the above will be furnished upon request.



SEALED POWER INDUCTORS

Specification table of Sealed Power Inductors TPDG

Model	Inductance at 1kHz (μH)	Q Min	S.R.F MHz (Min)	D.C.R W(Max)	Rated current (A)		Measuring Frequency
					*L Down	*Temp. rise	
TPDG-100K	10	140	19	0.023	7.6	4.5	2.52MHz
TPDG-150K	15	140	12	0.028	6.2	4.0	2.52MHz
TPDG-220K	22	100	7.6	0.035	4.9	3.4	2.52MHz
TPDG-330K	33	100	6.9	0.043	4.1	3.2	2.52MHz
TPDG-470K	47	70	5.6	0.052	3.5	2.8	2.52MHz
TPDG-680K	68	50	4.4	0.070	3.0	2.4	2.52MHz
TPDG-101K	100	50	3.3	0.12	2.2	2.0	796kHz
TPDG-151K	150	50	2.6	0.19	1.9	1.5	796kHz
TPDG-221K	220	40	2.2	0.23	1.5	1.3	796kHz
TPDG-331K	330	30	1.8	0.35	1.3	1.1	796kHz
TPDG-471K	470	30	1.5	0.43	1.1	0.90	796kHz
TPDG-681K	680	30	1.2	0.61	0.95	0.80	796kHz
TPDG-102K	1000	30	1.0	1.2	0.74	0.60	252kHz
TPDG-152K	1500	40	0.83	1.8	0.60	0.45	252kHz
TPDG-222K	2200	40	0.70	2.2	0.51	0.40	252kHz
TPDG-332K	3300	40	0.60	3.4	0.41	0.33	252kHz
TPDG-472K	4700	40	0.43	4.7	0.39	0.28	252kHz
TPDG-682K	6800	30	0.38	5.6	0.31	0.25	252kHz
TPDG-103K	10000	70	0.30	10	0.22	0.19	L:1 kHz Q:79.6kHz

Note: * Inductance change is within 10% at the superposition of DC current.
 * Temperature rise of core surface is less than 20°C while direct current is applied.

※Specifications other than the above will be furnished upon request.