

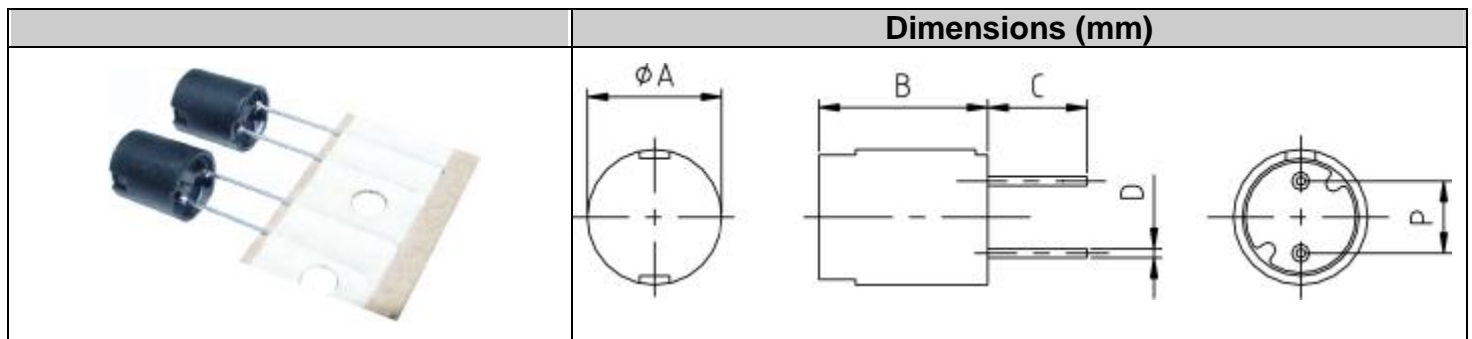
Индуктивность магнитно-экранированная (магнитная) (TWP) SEALED POWER INDUCTORS

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.



ORDERING CODE

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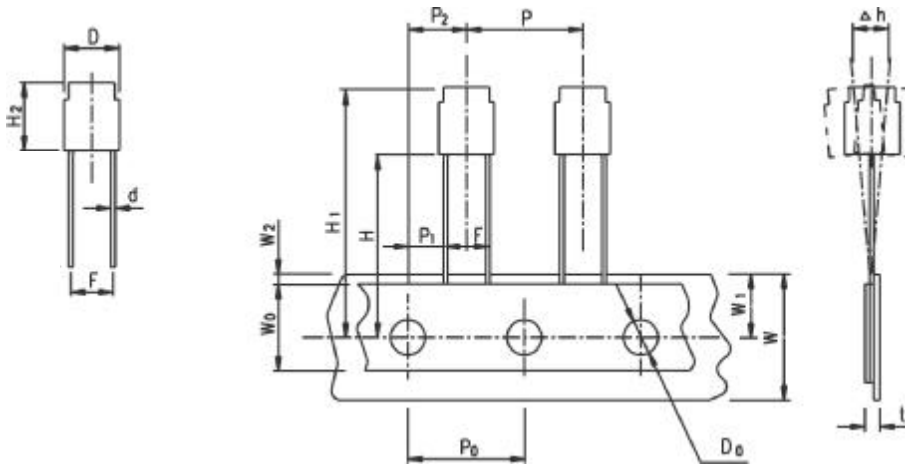
		Dimensions (mm)					TABLE
TWP7	I	7.3	11	5.0	0.6	5.0	-
TWP8	I	8.3	9.7	5.0	0.6	5.0	p.152
TWP9	I	9.0	8.3	5.0	0.6	5.0	p.153
TPAD**	I	10.5	13.5	5.0	0.8	5.0	p.154
TPDG**	I	13.5	16.5	5.0	0.8	7.5	p.155
TWP8-M	I	8.7	10.8	5.0	0.6	5.0	-
TWPA-M	I	10.5	9.0	5.0	0.6	5.0	-

Note: * In Bulk packing.

** Terminals are copper ply steel wire and soldered.

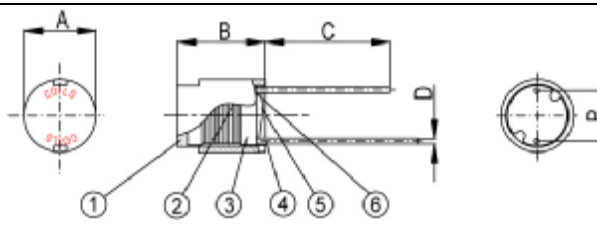
※ Specifications other than the above will be furnished upon request.

TAPING SPECIFICATIONS



Dimensions (mm)							
						-	TWPA-M
D±0.5	7.3	8.3	9.0	10.5	13.5	8.7	10.5
							29.5
H ₂ max	11.5	10.2	8.8	14.0	17.0	11.3	9.5
							18.0
P±1.0	12.7	12.7	12.7	12.7	15.0	12.7	12.7
							12.7
P ₁ ±0.7	3.85	3.85	3.85	3.85	3.75	3.85	3.85
							6.35
F±0.5	5.0	5.0	5.0	5.0	7.5	5.0	5.0
							0.6
Δh±2.0	0	0	0	0	0	0	0
							18.0
W ₀ min	12.5	12.5	12.5	12.5	12.5	12.5	12.5
							9.0
W ₂ max	3.0	3.0	3.0	3.0	3.0	3.0	3.0
							4.0

STRUCTURAL DIAGRAM

		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.

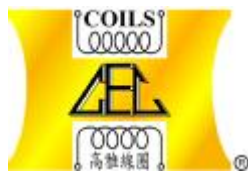
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Specification table of Sealed Power Inductors TWP8

	Inductance uH	Q Min.	DCR W Max.	DCI A Max.	SRF MHz Min	Measuring Frequency
TWP8-1R0□	1.0	80		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		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		0.550	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
						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		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		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	

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Specification table of Sealed Power Inductors TPDG

					u		Measuring Frequency
TPDG-100K					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
							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.

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