

Version:  
February 1, 2018



**(TPUA)**  
**Miniature Power**  
**Wirewound Inductors**

**Token Electronics Industry Co., Ltd.**

**Taiwan:** No.137, Sec. 1, Zhongxing Rd., Wugu District,  
New Taipei City, Taiwan, R.O.C. 24872  
**Tel:** +886 2981 0109    **Fax:** +886 2988 7487

**China:** 12F, Zhong Xing Industry Bld., Chuang Ye Road,  
Nan Shan District, Shen Zhen City,  
Guang Dong, China 518054  
**Tel:** +86 755 26055363; **Fax:** +86 755 26055365

**Web:** [www.token.com.tw](http://www.token.com.tw)

**Email:** [rfq@token.com.tw](mailto:rfq@token.com.tw)



**► Product Introduction**

**Token has extended range of SMD miniature power wirewound inductors with new SMD series.**

**Features :**

- Superior to be high Saturation for surface mounting.
- High heat resistance and excellent solderability.
- Excellent terminal strength construction.

**Applications :**

- Power supply for VCRS, OA equipment Digital camera.
- LCD television set notebook PC, DC-DC Converters.
- Portable communication equipments, etc.

Miniaturisation of today's electrical and electronic devices requires component manufacturers to increase the performance of components without increasing footprint. Token's latest miniature (TPUA) power wirewound chip inductor series offers improved performance in the same compact, low-profile case size.

The (TPUA) series is designed for DC-DC converter applications and features reduced DC resistance and increased allowable current. In DC-DC converters and power supplies, the performance of the power components directly affects the overall efficiency of the supply, so it is of paramount importance.

The (TPU31A) series of wirewound SMD inductor comes with low profile at  $1.6\pm 0.3$  mm maximum and available in 2.2  $\mu$ H to 27  $\mu$ H denominations. The series features low DC resistance, down to 0.09  $\Omega$ , and high rated current; up to 1.8 A is supported. All parts are low cast with open magnetic circuit construction and good for high mounting density.

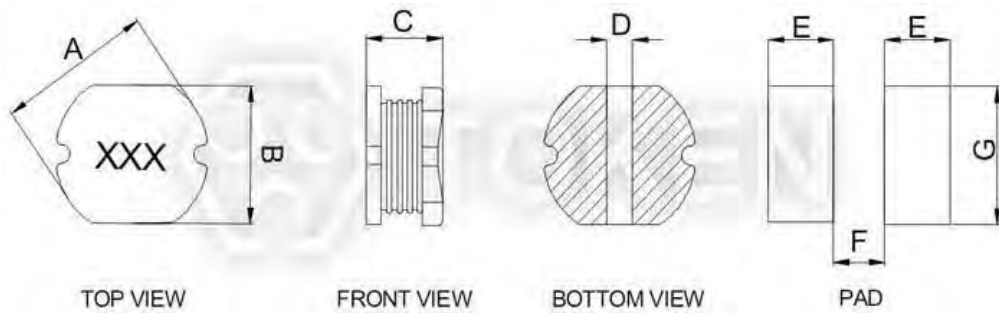
Full (TPUA) series conform to the RoHS directive and Lead-free. Custom parts are available on request. Token will also produce devices outside these specifications to meet specific customer requirements, Please contact our sales or link to Token official website "[SMD Power Inductors](http://www.token.com.tw)" for more information.



► **Dimensions**

**Dimensions & Configurations (Unit: mm) (TPUA)**

Type	A±0.3	B±0.3	C±0.3	D Ref.	E Ref.	F Ref.	G Ref.
TPUA31	3.5	3.0	1.6	1.2	1.1	1.2	3.5
TPUA32	3.5	3.0	2.1	1.2	1.4	1.2	3.5
TPUA42	4.5	4.0	2.1	1.5	1.75	1.5	4.5
TPUA43	4.5	4.0	3.2	1.5	1.75	1.5	4.5
TPUA52	5.8	5.2	2.1	1.6	2.15	1.7	5.5
TPUA53	5.8	5.2	3.2	1.6	2.15	1.7	5.5
TPUA54	5.8	5.2	4.5	1.6	2.15	1.7	5.5
TPUA73	7.8	7.0	3.5±0.4	2.4	3.0	2.0	7.5
TPUA75	7.8	7.0	5.0±0.4	2.4	3.0	2.0	7.5
TPUA104	10.0	9.0	4.0±0.5	3.1	3.75	2.5	9.5
TPUA105	10.0	9.0	5.4±0.5	3.1	3.75	2.5	9.5
TPUA106	10.0	9.0	6.6±0.5	3.1	3.75	2.5	9.5
TPUA108	10.0	9.0	8.0±0.5	3.1	3.75	2.5	9.5



SMT Unshielded Dimensions (TPUA)

Note: Design as Customer's Requested Specifications.

▶ **TPUA31**

**Electrical Characteristics (TPUA31)**

Part No	Inductance L (μH)	Tolerance	Test Freq (KHz/V)	DCR (Ω) Max.	Heat Rating Current DC Amps. Idc (A)
TPUA31 - 2R2M	2.2	M、N	100/0.25	0.09	1.80
TPUA31 - 3R3M	3.3	M、N	100/0.25	0.10	1.70
TPUA31 - 4R7M	4.7	M、N	100/0.25	0.15	1.50
TPUA31 - 6R8M	6.8	M、N	100/0.25	0.25	1.20
TPUA31 - 8R2M	8.2	M、N	100/0.25	0.30	1.00
TPUA31 - 100M	10	M、N	100/0.25	0.40	0.90
TPUA31 - 120M	12	K、M、N	100/0.25	0.55	0.80
TPUA31 - 150M	15	K、M、N	100/0.25	0.63	0.60
TPUA31 - 220M	22	K、M、N	100/0.25	0.75	0.50
TPUA31 - 270M	27	K、M、N	100/0.25	0.90	0.40

**Note:**

- Operating temperature range:-30°C to +100°C (Including self-generated heat).
- Inductance measured using the HP4284A; Chroma 3302+1320.
- DCR measured using the 16502 milli-ohm meter.
- Inductance drop no more than 10% of initial value at rated current, temperature rises Δt < 40°C.
- Storage Temperature Range:-40°C to +85°C.

▶ **TPUA32**

**Electrical Characteristics (TPUA32)**

Part No	Inductance L (μH)	Tolerance	Test Freq (KHz/V)	DCR (Ω) Max.	Heat Rating Current DC Amps. Idc (mA)
TPUA32 - 1R0M	1.0	M、N	100/0.25	0.05	4000
TPUA32 - 1R4M	1.4	M、N	100/0.25	0.06	3000
TPUA32 - 1R5M	1.5	M、N	100/0.25	0.06	2600
TPUA32 - 1R8M	1.8	M、N	100/0.25	0.07	2500
TPUA32 - 2R2M	2.2	M、N	100/0.25	0.08	2000
TPUA32 - 2R7M	2.7	M、N	100/0.25	0.09	1900
TPUA32 - 3R3M	3.3	M、N	100/0.25	0.11	1800
TPUA32 - 3R9M	3.9	M、N	100/0.25	0.13	1700
TPUA32 - 4R7M	4.7	M、N	100/0.25	0.14	1500
TPUA32 - 5R6M	5.6	M、N	100/0.25	0.18	1400
TPUA32 - 6R8M	6.8	M、N	100/0.25	0.23	1200
TPUA32 - 8R2M	8.2	M、N	100/0.25	0.27	1100
TPUA32 - 100M	10	M、N	100/0.25	0.30	1100
TPUA32 - 120M	12	K、M、N	100/0.25	0.35	1000
TPUA32 - 150M	15	K、M、N	100/0.25	0.50	1000
TPUA32 - 180M	18	K、M、N	100/0.25	0.55	1000
TPUA32 - 220M	22	K、M、N	100/0.25	0.65	900
TPUA32 - 270M	27	K、M、N	100/0.25	0.75	850
TPUA32 - 330M	33	K、M、N	100/0.25	0.80	800
TPUA32 - 390M	39	K、M、N	100/0.25	1.20	700
TPUA32 - 470M	47	K、M、N	100/0.25	1.40	600
TPUA32 - 560M	56	K、M、N	100/0.25	1.50	500
TPUA32 - 680M	68	K、M、N	100/0.25	1.60	450
TPUA32 - 820M	82	K、M、N	100/0.25	3.00	400
TPUA32 - 101M	100	K、M、N	100/0.25	3.60	350
TPUA32 - 221M	220	K、M、N	1.0/0.25	6.50	300
TPUA32 - 331M	330	K、M、N	1.0/0.25	12.50	180
TPUA32 - 471M	470	K、M、N	1.0/0.25	14.00	90
TPUA32 - 561M	560	K、M、N	1.0/0.25	18.00	50

Note:

- Operating temperature range:-30°C to +100°C (Including self-generated heat).
- Inductance measured using the HP4284A; Chroma 3302+1320.
- DCR measured using the 16502 milli-ohm meter.
- Inductance drop no more than 10% of initial value at rated current, temperature rises Δt < 40°C.
- Storage Temperature Range:-40°C to +85°C.



▶ TPUA43

**Electrical Characteristics (TPUA43)**

Part No	Inductance L (μH)	Tolerance	Test Freq (KHz/V)	DCR (Ω) Max.	Heat Rating Current DC Amps. Idc (mA)
TPUA43 - 1R0M	1.0	M、N	100/0.05	0.033	4500
TPUA43 - 1R2M	1.2	M、N	100/0.05	0.035	4000
TPUA43 - 1R4M	1.4	M、N	100/0.05	0.038	3800
TPUA43 - 1R8M	1.8	M、N	100/0.05	0.042	3200
TPUA43 - 2R2M	2.2	M、N	100/0.05	0.047	2600
TPUA43 - 2R7M	2.7	M、N	100/0.05	0.052	2430
TPUA43 - 3R3M	3.3	M、N	100/0.05	0.058	2150
TPUA43 - 3R9M	3.9	M、N	100/0.05	0.076	1980
TPUA43 - 4R2M	4.2	M、N	100/0.05	0.080	1800
TPUA43 - 4R7M	4.7	M、N	100/0.05	0.094	1700
TPUA43 - 5R6M	5.6	M、N	100/0.05	0.101	1600
TPUA43 - 5R8M	5.8	M、N	100/0.05	0.100	1500
TPUA43 - 6R8M	6.8	M、N	100/0.05	0.120	950
TPUA43 - 8R2M	8.2	M、N	100/0.05	0.132	1260
TPUA43 - 100M	10	M、N	100/0.05	0.182	1150
TPUA43 - 120M	12	K、M、N	100/0.05	0.210	1050
TPUA43 - 150M	15	K、M、N	100/0.05	0.235	8500
TPUA43 - 180M	18	K、M、N	100/0.05	0.338	840
TPUA43 - 220M	22	K、M、N	100/0.05	0.378	760
TPUA43 - 270M	27	K、M、N	100/0.05	0.522	710
TPUA43 - 330M	33	K、M、N	100/0.05	0.540	640
TPUA43 - 390M	39	K、M、N	100/0.05	0.75	590
TPUA43 - 470M	47	K、M、N	100/0.05	0.844	540
TPUA43 - 560M	56	K、M、N	100/0.05	0.900	400
TPUA43 - 680M	68	K、M、N	100/0.05	0.930	400
TPUA43 - 101M	100	K、M、N	1.0/0.05	1.350	4000
TPUA43 - 151M	150	K、M、N	1.0/0.05	1.800	200
TPUA43 - 221M	220	K、M、N	1.0/0.05	2.600	200
TPUA43 - 331M	330	K、M、N	1.0/0.05	3.500	100
TPUA43 - 471M	470	K、M、N	1.0/0.05	4.200	80
TPUA43 - 561M	560	K、M、N	1.0/0.05	6.000	50
TPUA43 - 681M	680	K、M、N	1.0/0.05	7.000	50
TPUA43 - 102M	1000	K、M、N	1.0/0.05	12.500	50

Note:

- Operating temperature range:-30°C to +100°C (Including self-generated heat).
- Inductance measured using the HP4284A; Chroma 3302+1320.
- DCR measured using the 16502 milli-ohm meter.
- Inductance drop no more than 10% of initial value at rated current, temperature rises  $\Delta t < 40^\circ\text{C}$ .
- Storage Temperature Range:-40°C to +85°C.



▶ **TPUA54**

**Electrical Characteristics (TPUA54)**

Part No	Inductance L (μH)	Tolerance	Test Freq (KHz/V)	DCR (Ω) Max.	Heat Rating Current DC Amps. Idc (mA)
TPUA54 - 1R0M	1.0	M、N	100/0.25	0.018	6000
TPUA54 - 1R8M	1.8	M、N	100/0.25	0.025	5800
TPUA54 - 2R2M	2.2	M、N	100/0.25	0.026	5500
TPUA54 - 2R5M	2.5	M、N	100/0.25	0.028	5300
TPUA54 - 2R7M	2.7	M、N	100/0.25	0.028	5100
TPUA54 - 3R3M	3.3	M、N	100/0.25	0.030	5000
TPUA54 - 3R9M	3.9	M、N	100/0.25	0.032	4500
TPUA54 - 4R7M	4.7	M、N	100/0.25	0.035	4000
TPUA54 - 5R6M	5.6	M、N	100/0.25	0.040	3800
TPUA54 - 6R8M	6.8	M、N	100/0.25	0.045	3500
TPUA54 - 8R2M	8.2	M、N	100/0.25	0.050	3000
TPUA54 - 100M	10	M、N	100/0.25	0.100	2800
TPUA54 - 120M	12	K、M、N	100/0.25	0.120	2500
TPUA54 - 150M	15	K、M、N	100/0.25	0.140	2400
TPUA54 - 180M	18	K、M、N	100/0.25	0.150	2300
TPUA54 - 220M	22	K、M、N	100/0.25	0.180	2200
TPUA54 - 270M	27	K、M、N	100/0.25	0.200	2000
TPUA54 - 330M	33	K、M、N	100/0.25	0.230	1500
TPUA54 - 390M	39	K、M、N	100/0.25	0.320	1400
TPUA54 - 470M	47	K、M、N	100/0.25	0.370	1300
TPUA54 - 560M	56	K、M、N	100/0.25	0.420	1300
TPUA54 - 680M	68	K、M、N	100/0.25	0.460	1000
TPUA54 - 820M	82	K、M、N	100/0.25	0.600	950
TPUA54 - 101M	100	K、M、N	1.0/0.25	0.700	900
TPUA54 - 121M	120	K、M、N	1.0/0.25	0.930	800
TPUA54 - 151M	150	K、M、N	1.0/0.25	1.100	650
TPUA54 - 181M	180	K、M、N	1.0/0.25	1.380	600
TPUA54 - 221M	220	K、M、N	1.0/0.25	1.570	500
TPUA54 - 331M	330	K、M、N	1.0/0.25	1.900	450
TPUA54 - 561M	560	K、M、N	1.0/0.25	3.300	350
TPUA54 - 681M	680	K、M、N	1.0/0.25	3.839	300
TPUA54 - 102M	1000	K、M、N	1.0/0.25	5.000	200
TPUA54 - 202M	2000	K、M、N	1.0/0.25	9.500	100

Note:

- Operating temperature range:-30°C to +100°C (Including self-generated heat).
- Inductance measured using the HP4284A; Chroma 3302+1320.
- DCR measured using the 16502 milli-ohm meter.
- Inductance drop no more than 10% of initial value at rated current, temperature rises  $\Delta t < 40^\circ\text{C}$ .
- Storage Temperature Range:-40°C to +85°C.



▶ **TPUA73**

**Electrical Characteristics (TPUA73)**

Part No	Inductance L (μH)	Tolerance	Test Freq (KHz/V)	DCR (Ω) Max.	Heat Rating Current DC Amps. Idc (mA)
TPUA73 - 1R0M	1.0	M、N	100/0.25	0.015	7000
TPUA73 - 1R8M	1.8	M、N	100/0.25	0.020	6500
TPUA73 - 2R7M	2.7	M、N	100/0.25	0.025	6000
TPUA73 - 3R3M	3.3	M、N	100/0.25	0.030	5000
TPUA73 - 3R9M	3.9	M、N	100/0.25	0.032	4500
TPUA73 - 4R7M	4.7	M、N	100/0.25	0.040	4000
TPUA73 - 5R6M	5.6	M、N	100/0.25	0.055	3500
TPUA73 - 6R8M	6.8	M、N	100/0.25	0.065	3300
TPUA73 - 8R2M	8.2	M、N	100/0.25	0.075	3200
TPUA73 - 100M	10	M、N	100/0.25	0.080	3000
TPUA73 - 120M	12	K、M、N	100/0.25	0.090	2900
TPUA73 - 150M	15	K、M、N	100/0.25	0.095	2800
TPUA73 - 180M	18	K、M、N	100/0.25	0.100	2700
TPUA73 - 220M	22	K、M、N	100/0.25	0.110	2500
TPUA73 - 270M	27	K、M、N	100/0.25	0.125	2000
TPUA73 - 330M	33	K、M、N	100/0.25	0.170	1900
TPUA73 - 390M	39	K、M、N	100/0.25	0.180	1800
TPUA73 - 470M	47	K、M、N	100/0.25	0.300	1700
TPUA73 - 560M	56	K、M、N	100/0.25	0.350	1600
TPUA73 - 680M	68	K、M、N	100/0.25	0.400	1200
TPUA73 - 820M	82	K、M、N	100/0.25	0.450	1100
TPUA73 - 101M	100	K、M、N	1.0/0.25	0.500	1000
TPUA73 - 121M	120	K、M、N	1.0/0.25	0.600	900
TPUA73 - 151M	150	K、M、N	1.0/0.25	0.800	800
TPUA73 - 181M	180	K、M、N	1.0/0.25	1.000	650
TPUA73 - 221M	220	K、M、N	1.0/0.25	1.500	600
TPUA73 - 271M	270	K、M、N	1.0/0.25	1.800	500
TPUA73 - 331M	330	K、M、N	1.0/0.25	2.500	450
TPUA73 - 471M	470	K、M、N	1.0/0.25	3.000	400
TPUA73 - 561M	560	K、M、N	1.0/0.25	3.500	350
TPUA73 - 681M	680	K、M、N	1.0/0.25	4.000	300
TPUA73 - 821M	820	K、M、N	1.0/0.25	5.000	280

Note:

- Operating temperature range:-30°C to +100°C (Including self-generated heat).
- Inductance measured using the HP4284A; Chroma 3302+1320.
- DCR measured using the 16502 milli-ohm meter.
- Inductance drop no more than 10% of initial value at rated current, temperature rises Δt < 40°C.
- Storage Temperature Range:-40°C to +85°C.





▶ **TPUA75**

**Electrical Characteristics (TPUA75)**

Part No	Inductance L (μH)	Tolerance	Test Freq (KHz/V)	DCR (Ω) Max.	Heat Rating Current DC Amps. Idc (mA)
TPUA75 - 1R0M	1.0	M、N	100/0.25	0.010	8000
TPUA75 - 1R2M	1.2	M、N	100/0.25	0.010	7500
TPUA75 - 1R8M	1.8	M、N	100/0.25	0.012	7200
TPUA75 - 2R2M	2.2	M、N	100/0.25	0.013	7000
TPUA75 - 2R7M	2.7	M、N	100/0.25	0.015	6500
TPUA75 - 3R3M	3.3	M、N	100/0.25	0.018	6000
TPUA75 - 3R9M	3.9	M、N	100/0.25	0.021	5500
TPUA75 - 4R7M	4.7	M、N	100/0.25	0.026	5000
TPUA75 - 5R6M	5.6	M、N	100/0.25	0.050	4500
TPUA75 - 6R8M	6.8	M、N	100/0.25	0.055	4000
TPUA75 - 8R2M	8.2	M、N	100/0.25	0.060	3800
TPUA75 - 100M	10	M、N	100/0.25	0.070	3500
TPUA75 - 120M	12	K、M、N	100/0.25	0.080	3200
TPUA75 - 150M	15	K、M、N	100/0.25	0.090	3000
TPUA75 - 180M	18	K、M、N	100/0.25	0.100	2800
TPUA75 - 220M	22	K、M、N	100/0.25	0.110	2700
TPUA75 - 270M	27	K、M、N	100/0.25	0.120	2500
TPUA75 - 330M	33	K、M、N	100/0.25	0.130	2400
TPUA75 - 390M	39	K、M、N	100/0.25	0.160	2300
TPUA75 - 470M	47	K、M、N	100/0.25	0.180	2200
TPUA75 - 560M	56	K、M、N	100/0.25	0.240	2000
TPUA75 - 680M	68	K、M、N	100/0.25	0.280	1800
TPUA75 - 820M	82	K、M、N	100/0.25	0.370	1700
TPUA75 - 101M	100	K、M、N	1.0/0.25	0.430	1600
TPUA75 - 121M	120	K、M、N	1.0/0.25	0.470	1500
TPUA75 - 151M	150	K、M、N	1.0/0.25	0.640	1000
TPUA75 - 181M	180	K、M、N	1.0/0.25	0.710	900
TPUA75 - 221M	220	K、M、N	1.0/0.25	0.960	800
TPUA75 - 271M	270	K、M、N	1.0/0.25	1.110	700
TPUA75 - 331M	330	K、M、N	1.0/0.25	1.260	600
TPUA75 - 391M	390	K、M、N	1.0/0.25	1.770	500
TPUA75 - 471M	470	K、M、N	1.0/0.25	1.960	450
TPUA75 - 561M	560	K、M、N	1.0/0.25	2.100	400
TPUA75 - 681M	680	K、M、N	1.0/0.25	2.500	350
TPUA75 - 821M	820	K、M、N	1.0/0.25	3.000	300

Note:

- Operating temperature range:-30°C to +100°C (Including self-generated heat).
- Inductance measured using the HP4284A; Chroma 3302+1320.
- DCR measured using the 16502 milli-ohm meter.
- Inductance drop no more than 10% of initial value at rated current, temperature rises Δt < 40°C.
- Storage Temperature Range:-40°C to +85°C.



▶ **TPUA104**

**Electrical Characteristics (TPUA104)**

Part No	Inductance L (μH)	Tolerance	Test Freq (KHz/V)	DCR (Ω) Max.	Heat Rating Current DC Amps. Idc (mA)
TPUA104 - 1R0M	1.0	M、N	100/0.25	0.015	9000
TPUA104 - 1R8M	1.8	M、N	100/0.25	0.020	8500
TPUA104 - 2R7M	2.7	M、N	100/0.25	0.025	8000
TPUA104 - 3R3M	3.3	M、N	100/0.25	0.030	7500
TPUA104 - 3R9M	3.9	M、N	100/0.25	0.040	7000
TPUA104 - 4R7M	4.7	M、N	100/0.25	0.045	6000
TPUA104 - 5R6M	5.6	M、N	100/0.25	0.050	5000
TPUA104 - 6R8M	6.8	M、N	100/0.25	0.053	4500
TPUA104 - 8R2M	8.2	M、N	100/0.25	0.058	4000
TPUA104 - 100M	10	M、N	100/0.25	0.060	3800
TPUA104 - 120M	12	K、M、N	100/0.25	0.070	3500
TPUA104 - 150M	15	K、M、N	100/0.25	0.080	3000
TPUA104 - 180M	18	K、M、N	100/0.25	0.090	2800
TPUA104 - 220M	22	K、M、N	100/0.25	0.100	2500
TPUA104 - 270M	27	K、M、N	100/0.25	0.110	2000
TPUA104 - 330M	33	K、M、N	100/0.25	0.120	1900
TPUA104 - 390M	39	K、M、N	100/0.25	0.140	1800
TPUA104 - 470M	47	K、M、N	100/0.25	0.170	1700
TPUA104 - 560M	56	K、M、N	100/0.25	0.190	1600
TPUA104 - 680M	68	K、M、N	100/0.25	0.220	1500
TPUA104 - 820M	82	K、M、N	100/0.25	0.250	1200
TPUA104 - 101M	100	K、M、N	1.0/0.25	0.350	1000
TPUA104 - 121M	120	K、M、N	1.0/0.25	0.400	900
TPUA104 - 151M	150	K、M、N	1.0/0.25	0.470	770
TPUA104 - 181M	180	K、M、N	1.0/0.25	0.530	690
TPUA104 - 221M	220	K、M、N	1.0/0.25	0.620	610
TPUA104 - 271M	270	K、M、N	1.0/0.25	0.780	540
TPUA104 - 321M	320	K、M、N	1.0/0.25	0.850	500
TPUA104 - 331M	330	K、M、N	1.0/0.25	0.900	460
TPUA104 - 391M	390	K、M、N	1.0/0.25	0.980	380
TPUA104 - 471M	470	K、M、N	1.0/0.25	1.500	320
TPUA104 - 561M	560	K、M、N	1.0/0.25	2.000	280
TPUA104 - 681M	680	K、M、N	1.0/0.25	2.800	250
TPUA104 - 821M	820	K、M、N	1.0/0.25	3.200	150
TPUA104 - 102M	1000	K、M、N	1.0/0.25	3.500	100

Note:

- Operating temperature range:-30°C to +100°C (Including self-generated heat).
- Inductance measured using the HP4284A; Chroma 3302+1320.
- DCR measured using the 16502 milli-ohm meter.
- Inductance drop no more than 10% of initial value at rated current, temperature rises Δt < 40°C.
- Storage Temperature Range:-40°C to +85°C.



▶ **TPUA105**

**Electrical Characteristics (TPUA105)**

Part No	Inductance L (μH)	Tolerance	Test Freq ( KHz/V )	DCR (Ω) Max.	Heat Rating Current DC Amps. Idc (mA)
TPUA105 - 1R0M	1.0	M、N	100/0.25	0.015	9800
TPUA105 - 1R8M	1.8	M、N	100/0.25	0.022	9500
TPUA105 - 2R7M	2.7	M、N	100/0.25	0.028	9000
TPUA105 - 3R3M	3.3	M、N	100/0.25	0.032	8500
TPUA105 - 3R9M	3.9	M、N	100/0.25	0.034	8000
TPUA105 - 4R7M	4.7	M、N	100/0.25	0.038	7500
TPUA105 - 5R6M	5.6	M、N	100/0.25	0.039	7000
TPUA105 - 6R8M	6.8	M、N	100/0.25	0.040	6000
TPUA105 - 8R2M	8.2	M、N	100/0.25	0.058	5500
TPUA105 - 100M	10	M、N	100/0.25	0.060	5000
TPUA105 - 120M	12	K、M、N	100/0.25	0.070	4800
TPUA105 - 150M	15	K、M、N	100/0.25	0.080	4500
TPUA105 - 180M	18	K、M、N	100/0.25	0.090	4000
TPUA105 - 220M	22	K、M、N	100/0.25	0.100	3500
TPUA105 - 270M	27	K、M、N	100/0.25	0.110	3200
TPUA105 - 330M	33	K、M、N	100/0.25	0.120	3000
TPUA105 - 390M	39	K、M、N	100/0.25	0.140	2800
TPUA105 - 470M	47	K、M、N	100/0.25	0.170	2700
TPUA105 - 560M	56	K、M、N	100/0.25	0.190	2500
TPUA105 - 680M	68	K、M、N	100/0.25	0.220	2000
TPUA105 - 820M	82	K、M、N	100/0.25	0.250	1800
TPUA105 - 101M	100	K、M、N	1.0/0.25	0.350	1500
TPUA105 - 121M	120	K、M、N	1.0/0.25	0.400	1400
TPUA105 - 151M	150	K、M、N	1.0/0.25	0.450	1200
TPUA105 - 221M	220	K、M、N	1.0/0.25	0.520	1000
TPUA105 - 271M	270	K、M、N	1.0/0.25	0.600	900
TPUA105 - 331M	330	K、M、N	1.0/0.25	0.800	800
TPUA105 - 391M	390	K、M、N	1.0/0.25	0.850	750
TPUA105 - 471M	470	K、M、N	1.0/0.25	0.950	700
TPUA105 - 561M	560	K、M、N	1.0/0.25	1.100	650
TPUA105 - 681M	680	K、M、N	1.0/0.25	2.100	600
TPUA105 - 821M	820	K、M、N	1.0/0.25	2.500	500
TPUA105 - 102M	1000	K、M、N	1.0/0.25	3.000	400

Note:

- Operating temperature range:-30°C to +100°C (Including self-generated heat).
- Inductance measured using the HP4284A; Chroma 3302+1320.
- DCR measured using the 16502 milli-ohm meter.
- Inductance drop no more than 10% of initial value at rated current, temperature rises  $\Delta t < 40^{\circ}\text{C}$ .
- Storage Temperature Range:-40°C to +85°C.



▶ **Order Codes**

**Order Codes (TPUA)**

TPUA32			-	1R0		M	
Part Number				Inductance		Tolerance	
TPUA31	TPUA54	TPUA104		1R0	1.00μH	J	±5%
TPUA32	TPUA73	TPUA105		100	10.00μH	K	±10%
TPUA43	TPUA75			101	100.00μH	L	±15%
				102	1000.00μH	M	±20%
						P	±25%
						N	±30%

## ► General Information

### How to Quickly Search Inductor for all of the Characteristics?

#### Quickly Search Inductor Finder

Searching and comparing data sheets of inductor manufacturers can be time consuming. Token's Parameter Sorting Search Mode allows selection of inductors based on different parameters.

By entering just the inductance value,

By sorting parameter to narrow down searching range,

Or by enter keyword / part number / size dimensions L\*W\*H to partial or exact searching.

#### Leading-Edge Technology

Token Electronics brand passive component specializes in standard and custom solutions offering the latest in state-of-the-art low profile high power density inductor components. Token provides cost-effective, comprehensive solutions that meet the evolving needs of technology-driven markets. In working closely with the industry leaders in chipset and core development, we remain at the forefront of innovation and new technology to deliver the optimal mix of packaging, high efficiency and unbeatable reliability. Our designs utilize high frequency, low core loss materials, new and custom core shapes in combination with innovative construction and packaging to provide designers with the highest performance parts available on the market.

#### Find Inductor Solutions Faster

##### Find Your Inductor - [rfq@token.com.tw](mailto:rfq@token.com.tw)

Only timely and accurate information can help manage the changing needs of your customers. The Token Inductor Finder puts you only a click away from all of the inductor information you need.

##### Find Your Solution - [rfq@token.com.tw](mailto:rfq@token.com.tw)

Selecting the correct inductor solution will not only save you time, but it will give you a competitive edge. At Token, we are committed to helping you find the most efficient alternative for your power design. Our inductor and power supply design experts can help you make that selection.

Please forward us:

- A brief description of your particular application's requirements.
- Details of an existing solution that you'd like to replace, enhance or find an alternative.
- Inquiries for feasibility to tailor a power transformer or inductor to your specific application.

We can also help you with any additional technical information you might need relating to any of our products.

**Ask Us Today**

