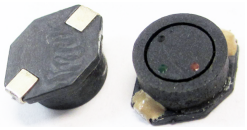
SMD SHIELDED POWER INDUCTOR



12.95 x 9.04 x 5.08mm

ASPI-0804TS

Pb RoHS/RoHS II Compliant

FEATURES:

- Magnetic shielded for low radiation
- Low profile, compact size
- Large Terminal surface for good PCB bonding
- Low DCR, High Energy storage, suitable for large currents
- Ideal for a variety of DC-DC converter inductor applications

APPLICATIONS:

- Desktop, Laptop, servers
- Network hubs, bridges, routers
- Portable communication equipment
- OA equipment
- LCD, DVD, modem, set-top box
- DC/DC converters

ELECTRICAL SPECIFICATIONS:

Abracon P/N:	ASPI-0804TS-xxx
Operating Temperature:	-40ºC to +85ºC
Storage Temperature:	-40˚C to +85˚C (In tape and Reel)

PART NO . ASPI-0804TS- Inductance Code	Inductance (µH)	Inductance Tolerance (N, M)	SRF (MHz) Typ.	DCR (Ω) Max.	Rated DC current (A)			Color Coding		
					IDC1 Max.	IDC2 Max.	IDC3 Max.	1st	2nd	Multiplier
ASPI-0804TS-1R0	1.0	N	60	0.025	4.500	8.000	4.000	Brown	Black	Red
ASPI-0804TS-1R5	1.5	N	55	0.030	4.000	5.500	4.000	Brown	Green	Red
ASPI-0804TS-2R2	2.2	N	55	0.035	1.900	3.000	4.000	Red	Red	Red
ASPI-0804TS-3R3	3.3	N	50	0.040	1.600	2.800	4.000	Orange	Orange	Red
ASPI-0804TS-4R7	4.7	N	45	0.045	1.500	2.400	3.000	Yellow	Purple	Red
ASPI-0804TS-6R8	6.8	N	40	0.050	1.300	1.800	2.500	Blue	Gray	Red
ASPI-0804TS-100	10.0	M	35	0.055	0.800	1.200	2.000	Brown	Black	Orange
ASPI-0804TS-150	15.0	M	25	0.060	0.650	1.100	1.800	Brown	Green	Orange
ASPI-0804TS-220	22.0	M	22	0.084	0.600	1.000	1.500	Red	Red	Orange
ASPI-0804TS-330	33.0	M	18	0.090	0.550	0.900	1.300	Orange	Orange	Orange
ASPI-0804TS-470	47.0	M	16	0.110	0.320	0.500	1.000	Yellow	Purple	Orange
ASPI-0804TS-680	68.0	M	12	0.150	0.280	0.450	0.900	Blue	Gray	Orange
ASPI-0804TS-101	100.0	M	9	0.290	0.280	0.400	0.800	Brown	Black	Yellow
ASPI-0804TS-151	150.0	M	8	0.360	0.210	0.350	0.600	Brown	Green	Yellow
ASPI-0804TS-221	220.0	M	6	0.390	0.170	0.260	0.500	Red	Red	Yellow
ASPI-0804TS-331	330.0	M	5	0.730	0.130	0.200	0.400	Orange	Orange	Yellow
ASPI-0804TS-471	470.0	M	4	0.880	0.110	0.180	0.350	Yellow	Purple	Yellow
ASPI-0804TS-681	680.0	M	3	1.150	0.090	0.140	0.300	Blue	Gray	Yellow
ASPI-0804TS-102	1000.0	M	2.5	1.450	0.085	0.140	0.250	Brown	Black	Green

Test Conditions

Inductance: 100kHz, 0.1V

IDC1: Base on Inductance change ($|\Delta L/L_o| \leq 20\%$)

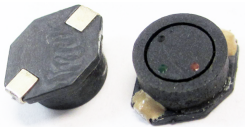
IDC2: Base on Inductance change ($|\Delta L/L_o| \leq 30\%$)

IDC3: Base on Temperature change ($\Delta T \leq 40^oC$)

30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 |fax 949-546-8001 | www.abracon.com

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ASPI-0804TS



12.95 x 9.04 x 5.08mm

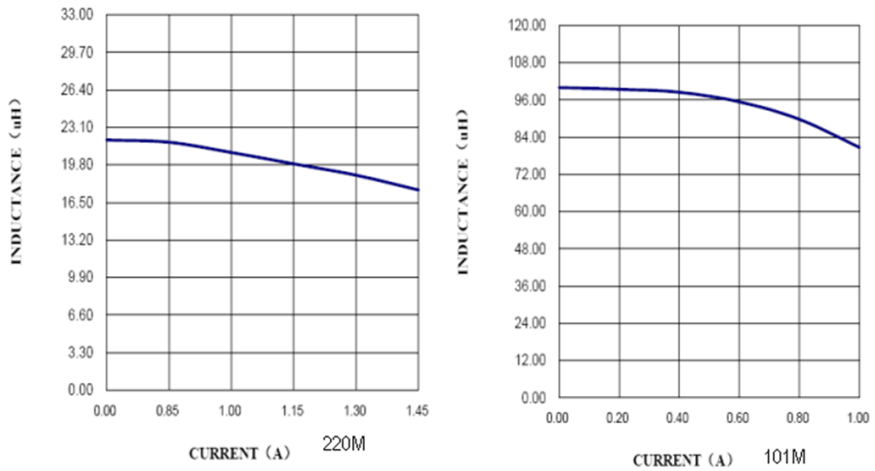
Pb RoHS/RoHS II Compliant

OPTIONS AND PART IDENTIFICATION

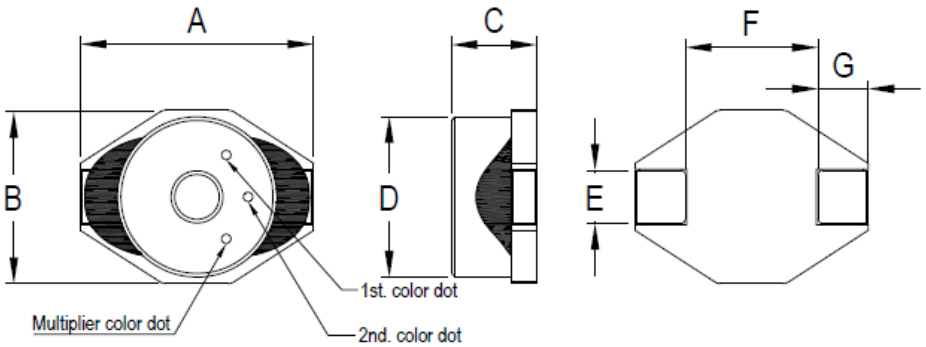
ASPI-0804TS - ☐ ☐ - ☐

Inductance Code	Tolerance %	Packaging
Please refer to the table above	M: ± 20% N: ± 30%	T: Tape and Reel (700pcs / reel)

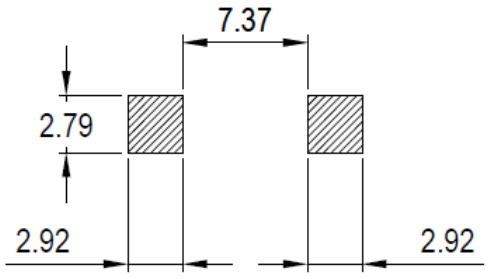
ELECTRICAL SPECIFICATION CHART



OUTLINE DIMENSIONS:



Recommended Land Pattern



A max.	B max.	C max.	D ref.	E ref.	F ref.	G ref.
12.95	9.04	5.08	8.38	2.54	7.62	2.54

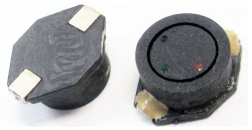
Dimension: mm

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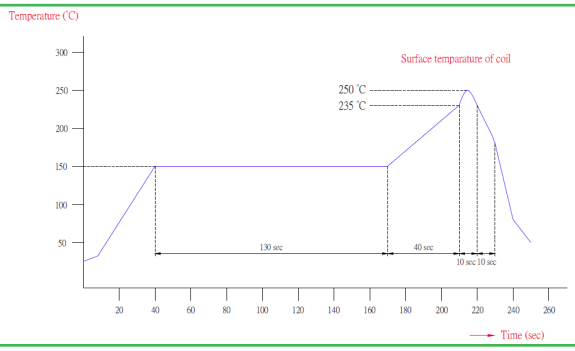
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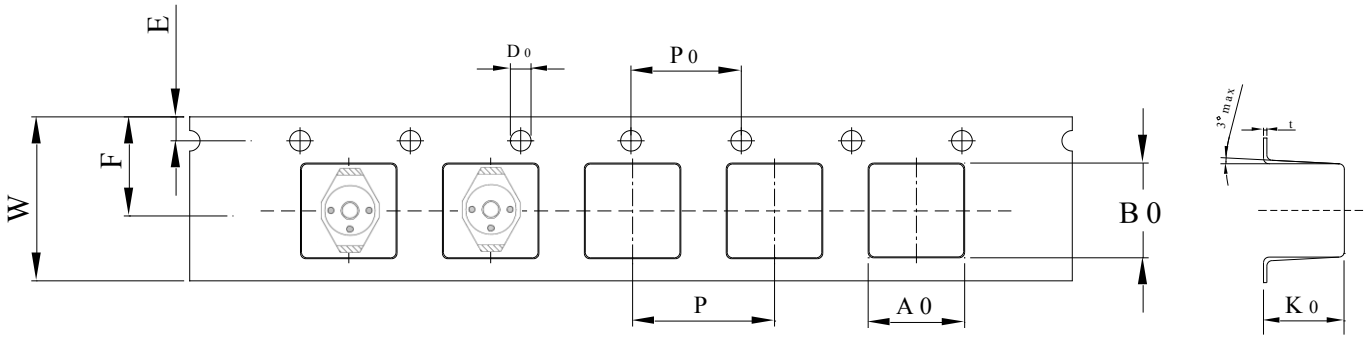
12.95 x 9.04 x 5.08mm

REFLOW PROFILE:

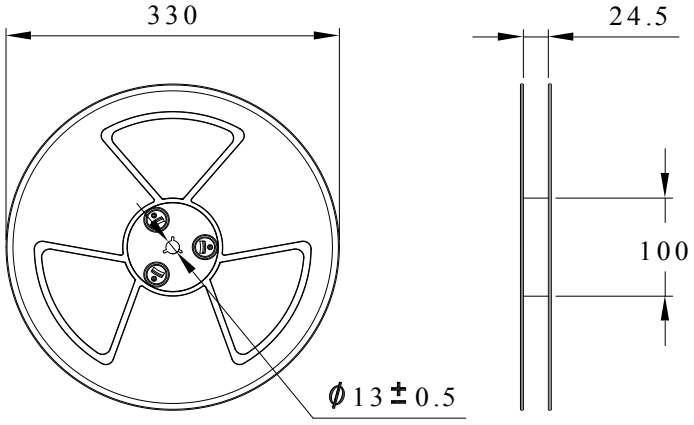


TAPE & REEL:

T: 700pcs / reel



W	E	F	P	A0	B0	D0	P0	K0	t
24±0.3	1.75±0.1	13.25±0.1	12.0±0.1	10.4±0.1	10.6±0.1	1.5±0.1	4.0±0.1	5.4±0.1	0.35±0.05



Dimension: mm

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