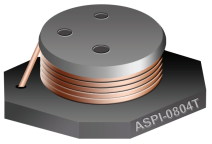
SMD Power Inductor

ASPI-0804T



13.5 x 9.5 x 5.5mm

Pb RoHS Compliant

FEATURES:

- Compact size 13.5 x 9.5 x 5.5mm
- High energy storage and very low DCR
- Suitable for RoHS compliant reflow
- Special design lead wire for high isolation

APPLICATIONS:

- Step-up and step-down converters
- Telecommunications
- DC-DC converter used in PDA, notebook computers and mobile phones

ELECTRICAL SPECIFICATIONS:

Abracon P/N:	ASPI-0804T Series
Operating Temperature & Humidity :	-40˚C to +85˚C
Storage Temperature & Humidity:	+22˚C to +28˚C, Humidity < 80%RH

PART NUMBER	INDUCTANCE (uH)	Tolerance	DCR (Ω) max	IDC (A) max
ASPI-0804T-1R0	1.0	M	0.009	9.00
ASPI-0804T-1R5	1.5	M	0.010	8.00
ASPI-0804T-2R2	2.2	M	0.012	7.00
ASPI-0804T-3R3	3.3	M	0.015	6.40
ASPI-0804T-4R7	4.7	M	0.018	5.40
ASPI-0804T-6R8	6.8	M	0.027	4.60
ASPI-0804T-100	10	M	0.038	3.80
ASPI-0804T-120	12	M	0.050	3.10
ASPI-0804T-150	15	M	0.046	3.00
ASPI-0804T-220	22	M	0.085	2.60
ASPI-0804T-330	33	M	0.100	2.00
ASPI-0804T-470	47	M	0.140	1.60
ASPI-0804T-680	68	M	0.200	1.40
ASPI-0804T-101	100	M	0.280	1.20
ASPI-0804T-151	150	M	0.400	1.00
ASPI-0804T-221	220	M	0.610	0.80
ASPI-0804T-331	330	M	1.020	0.60
ASPI-0804T-471	470	M	1.270	0.50
ASPI-0804T-681	680	M	2.020	0.40
ASPI-0804T-102	1000	M	3.000	0.30

Test Conditions
Inductance: 100kHz
Isat: ΔL/L (initial) ≥ -10%

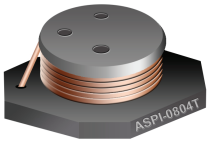
OPTIONS AND PART IDENTIFICATION:

ASPI-0804T - ☐ ☐ - ☐

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

SMD Power Inductor

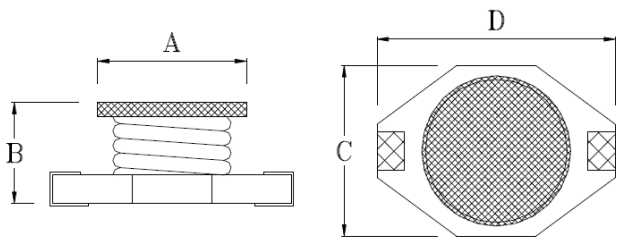
ASPI-0804T



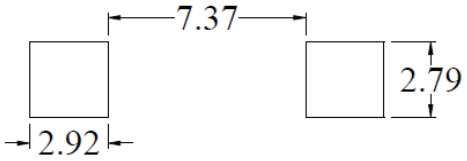
13.5 x 9.5 x 5.5mm

Pb RoHS Compliant

OUTLINE DIMENSIONS:



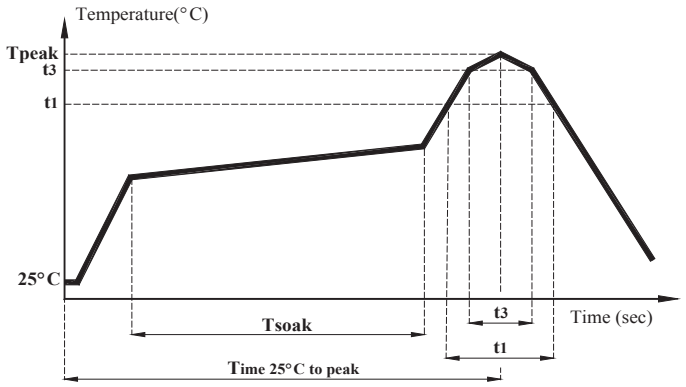
Recommended Land Pattern



A	B max.	C max.	D max.
8.6	5.5	9.5	13.50

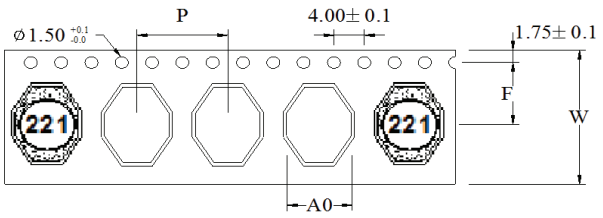
Dimension: inch (mm)

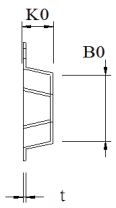
REFLOW PROFILE:

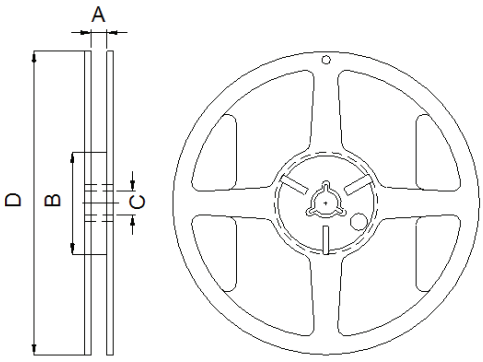


Item	mark	
Temperature rise gradient		3℃/sec (max)
Heating time	Tsoak	50s ～ 150s
Heating temperature		120℃～180℃
Time over 217℃	t1	70 sec
Time within 5℃ of actual peak temperature	t3	10～30 sec
Peak temperature	Tpeak	250 (+0 / -5 ℃)
Time 25℃ to peak Temperature		6 minutes max.

TAPE & REEL: T: 700pcs / reel







TYPE	CARRIER TAPE / SIZE (mm)							REEL 13"×24mm			
	A0	B0	K0	P	W	F	t	A	B	C	D
ASPI-0804T	9.5 ± 0.1	13.4 ± 0.1	5.8 ± 0.1	12 ± 0.1	24 ± 0.3	11.5 ± 0.1	0.4±0.05	24.5 ± 0.2	100 ± 0.5	13.2 ± 0.3	330 ± 1.0

Dimension: inch/(mm)

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