



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# LOW PROFILE SHIELDED SMD CHIP POWER INDUCTOR



4.0 x 4.0 x 1.0mm

ASPI-0410FS



RoHS/RoHS II Compliant

## FEATURES:

- Small size and low profile: 1.0mm
- Small DCR and high rated current
- High reliability to mechanical stress
- Magnetically shielded by magnetic powder molding
- Suitable for RoHS reflow profile

## APPLICATIONS:

- Mobile phones
- MP3 & 4 and other portable communication equipment
- Digital cameras.

## ELECTRICAL SPECIFICATIONS:

Abrakon P/N:	ASPI-0410FS Series
Operating Temperature & Humidity	-40°C to +85°C (Including self generated heat)
Storage Temperature and Humidity in Tape and Reel	+22°C to +28°C, 80% RH max.

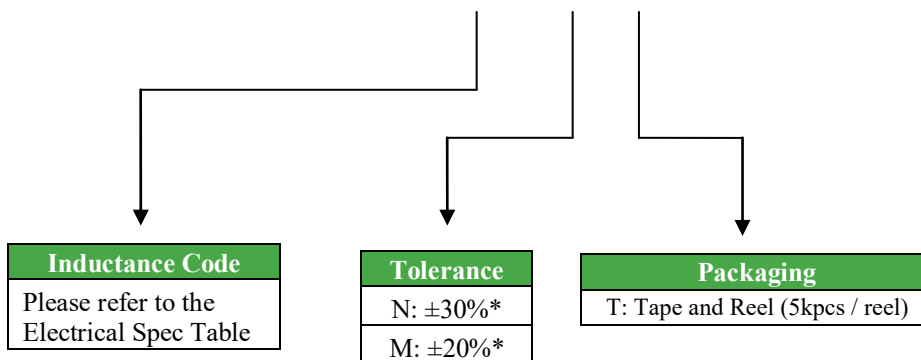
Part Number ASPI-0410FS- Inductance Code	Inductance	Inductance Tolerance	DCR max	Rated DC Current max.
Units	μH	%	mΩ	A
Symbol	L	M	DCR	IDC
ASPI-0410FS-1R0	1.0	N	100	1.80
ASPI-0410FS-2R2	2.2	N	150	1.15
ASPI-0410FS-3R3	3.3	M	180	1.10
ASPI-0410FS-4R7	4.7	M	210	0.90
ASPI-0410FS-6R8	6.8	M	300	0.74
ASPI-0410FS-100	10	M	380	0.56
ASPI-0410FS-150	15	M	510	0.47
ASPI-0410FS-220	22	M	870	0.36
ASPI-0410FS-330	33	M	1540	0.28
ASPI-0410FS-470	47	M	1810	0.24

### Test Conditions and Equipments

1. Rated DC Current: The current when the inductance becomes 30% lower than its initial value.
2. L: HP4284A LCR meter, 100KHz, 0.25Vrms
3. DCR: milli-ohm meter

## PART IDENTIFICATIONS:

ASPI-0410FS-  -



\*N for L = 1.0 and 2.2μH

\*M for L = 2.2 ~ 47μH

REVISED: 04.30.2018



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 ISO9001-2008  
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# LOW PROFILE SHIELDED SMD CHIP POWER INDUCTOR

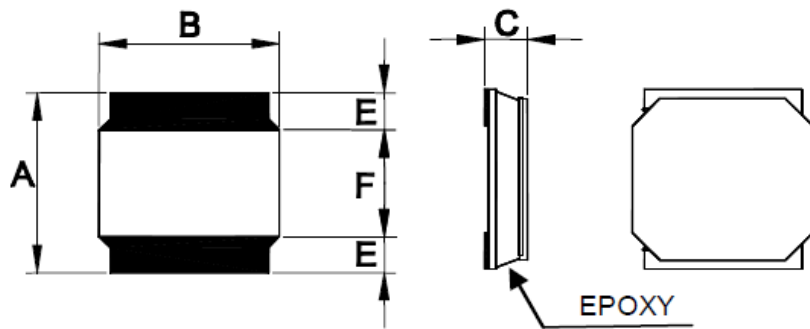


4.0 x 4.0 x 1.0mm

ASPI-0410FS

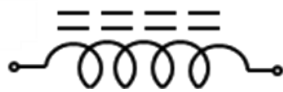
**Pb** | RoHS/RoHS II Compliant

## OUTLINE DIMENSION:



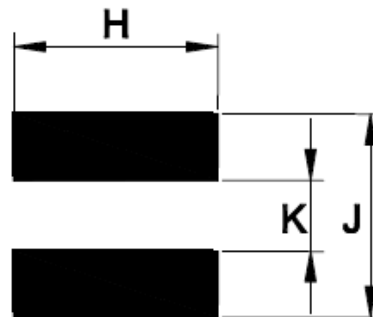
A	B	C max.	E	F
4.0±0.2	4.0±0.2	1.0	1.1±0.2	2.5±0.2

### Circuit Schematic



No Polarity

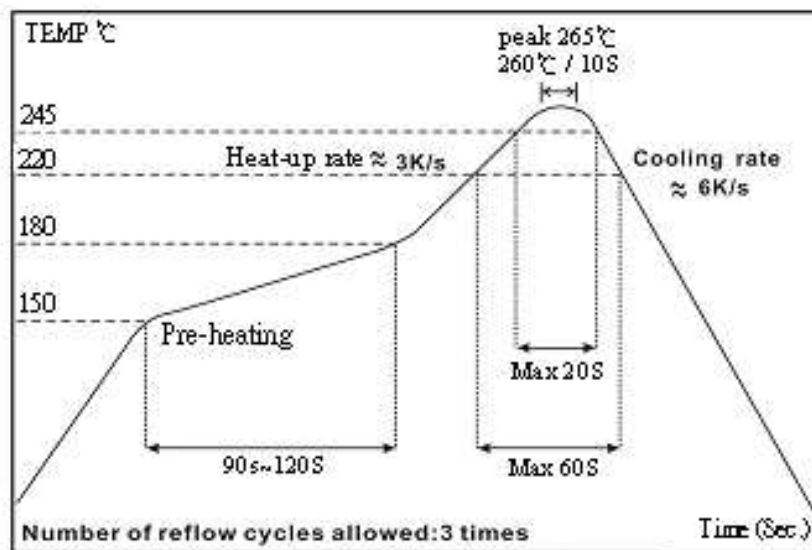
### Recommended Land Pattern



H	J	K
3.7	4.0	1.2

Dimension: mm

## REFLOW PROFILE:



REVISED: 04.30.2018

# LOW PROFILE SHIELDED SMD CHIP POWER INDUCTOR

ASPI-0410FS

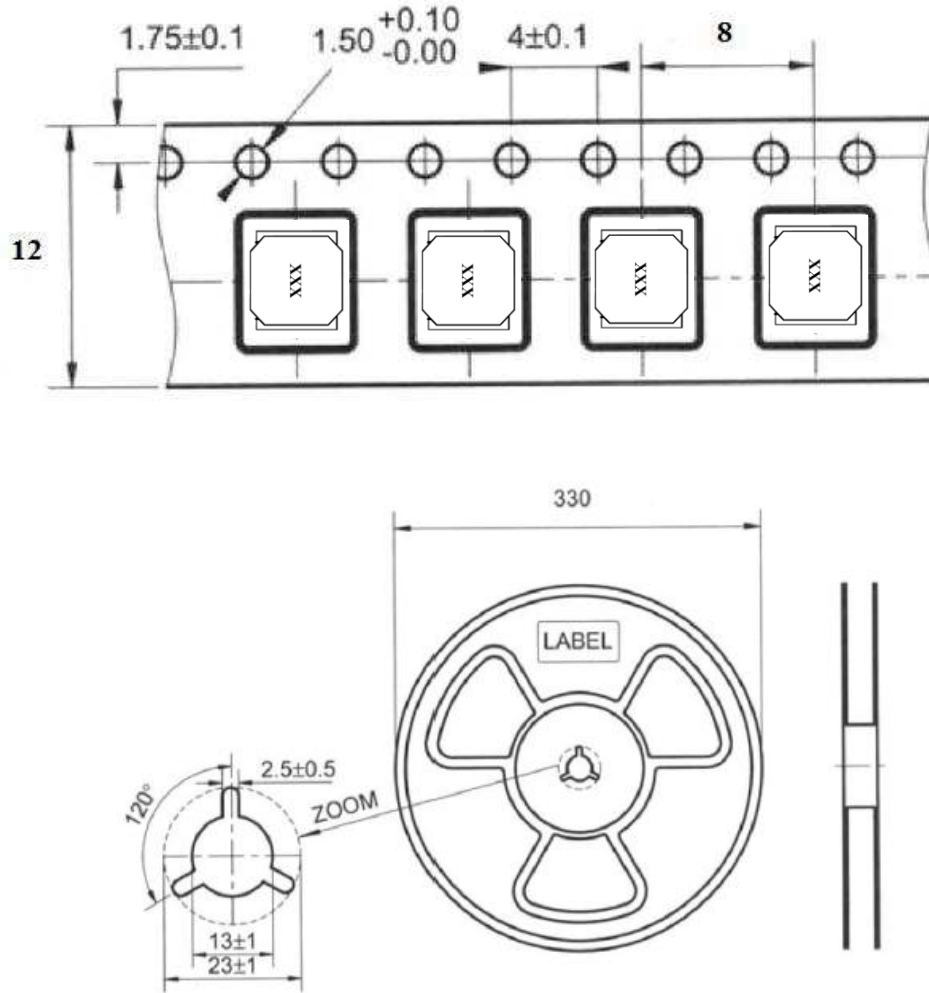
Pb | RoHS/RoHS II Compliant



4.0 x 4.0 x 1.0mm

## TAPE & REEL:

T35: 3,500pcs / reel



### Storage Conditions

Product should be used within six months from the time of delivery.

Dimension: mm