Shielded Power Inductor

ASPI-4020HI

FEATURES:

- High saturation current
- Low loss due to low DC resistance
- Low profile with max thickness 2.1mm
- •100% lead free and meeted RoHS standard
- Suitable for reflow soldering
- Highly reliable SMD package

STANDARD SPECIFICATIONS

(Pb) RoHS/RoHS II Compliant MSL = 1

> APPLICATIONS:

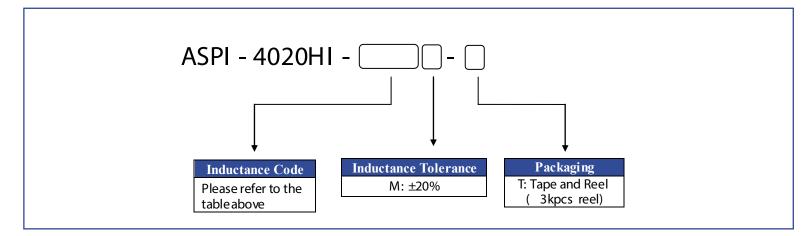
- DC/DC converters in LED driver, Notebook, Tablet, **Desktop and Server**
- Low profile, high current power supplies

Abracon P/N:	ASPI-4020HI Series
Operating Temperature & Humidity:	-55°C to +125°C
Storage Temperature & Humidity:	-10 to + 40 $^{\circ}$ C, 70% RH max (In tape and reel)

Part Number ASPI-4020HI- Inductance Code	L(uH)	Tolerance	DCR (mΩ) max.	Isat (A) Typ.	Irms (A) Typ.
ASPI-4020HI-R47	0.47	М	14	9.5	7.5
ASPI-4020HI-1R0	1.0	М	27	7.0	6.0
ASPI-4020HI-1R5	1.5	М	46	6.0	5.0
ASPI-4020HI-2R2	2.2	М	58	5.0	4.5
ASPI-4020HI-3R3	3.3	М	87	4.0	3.3
ASPI-4020HI-4R7	4.7	М	105	3.0	2.8
ASPI-4020HI-6R8	6.8	М	175	2.5	2.4

I_{sat} would cause inductance to drop by about 30%. I_{rms} would cause an ΔT of about 40°C.

> PART NUMBER IDENTIFICATION





5101 Hidden Creek Lane Spicewood TX 78669 Phone: 512-371-6159 | Fax: 512-351-8858 For terms and conditions of sale please visit: www.abracon.com

ABRACON IS



REVISED: 04/15/2020

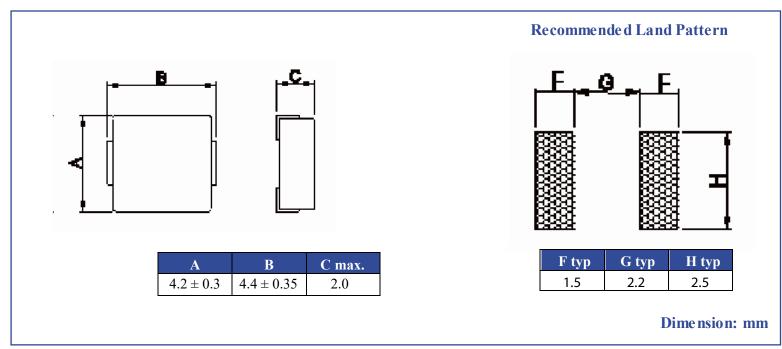
ISO9001-2015

CERTIFIED

ASPI-4020HI

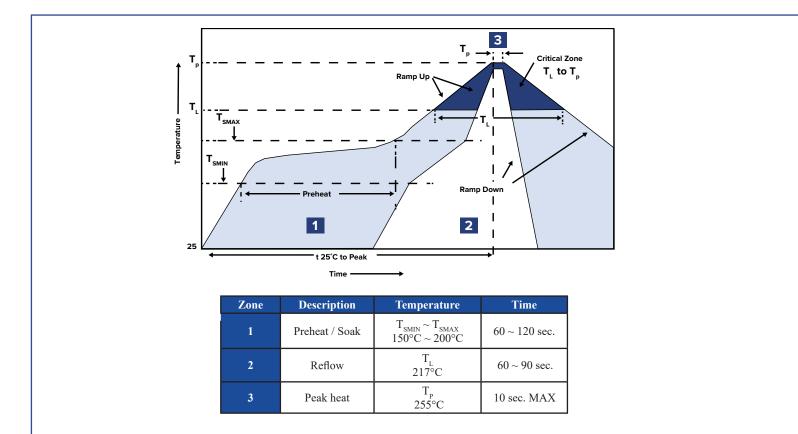


OUTLINE DRAWING: \triangleright



MSL = 1

REFLOW PROFILE >





5101 Hidden Creek Lane Spicewood TX 78669 Phone: 512-371-6159 | Fax: 512-351-8858 For terms and conditions of sale please visit: www.abracon.com

REVISED: 04/15/2020

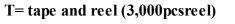
ABRACON IS ISO9001-2015 CERTIFIED

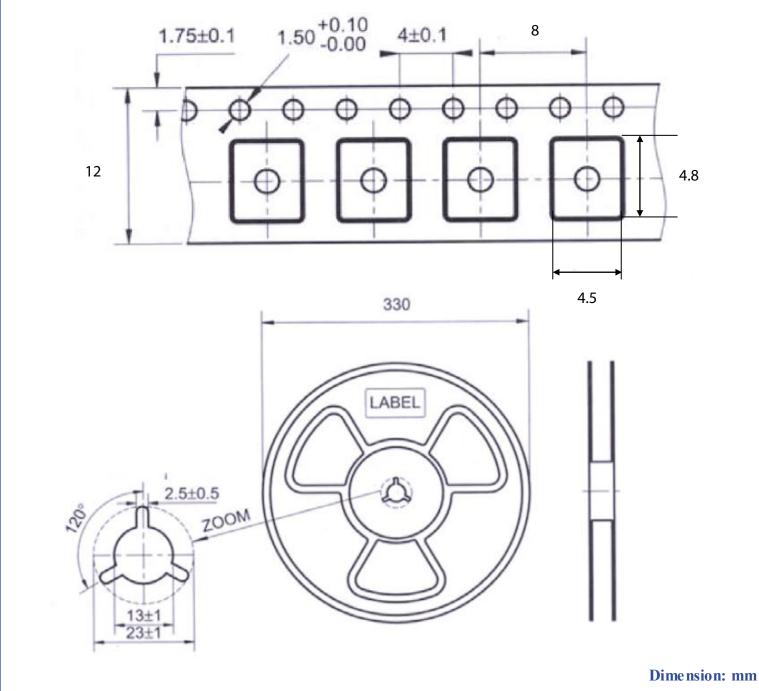
Shielded Power Inductor



⊳ TAPE & REEL

Packing





ATTENTION: Abracon LLC's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependent Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon LLC is required. Please contact Abracon LLC for more information.



5101 Hidden Creek Lane Spicewood TX 78669 Phone: 512-371-6159 | Fax: 512-351-8858 For terms and conditions of sale please visit: www.abracon.com REVISED: 04/15/2020





RoHS/RoHS II Compliant MSL = 1