

ASPI-0520-3R3M-T Datasheet



DiGi Electronics Part Number

Manufacturer

Manufacturer Product Number

Description

Detailed Description

ASPI-0520-3R3M-T-DG

Abracon LLC

ASPI-0520-3R3M-T

FIXED IND 3.3UH 2.4A 48 MOHMS

3.3 µH Shielded Wirewound Inductor 2.4 A 48mOhm Max Nonstandard

https://www.DiGi-Electronics.com



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DiGi is a global authorized distributor of electronic components.



Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
ASPI-0520-3R3M-T	Abracon LLC
Series:	Product Status:
ASPI-0520	Active
Туре:	Material - Core:
Wirewound	-
Inductance:	Tolerance:
3.3 µH	±20%
Current Rating (Amps):	Current - Saturation (Isat):
2.4 A	2.4A
Shielding:	DC Resistance (DCR):
Shielded	48mOhm Max
Q @ Freq:	Frequency - Self Resonant:
Ratings:	Operating Temperature:
	-25°C ~ 120°C
Inductance Frequency - Test:	Features:
100 kHz	-
Mounting Type:	Package / Case:
Surface Mount	Nonstandard
Supplier Device Package:	Size / Dimension:
	0.197" L x 0.197" W (5.00mm x 5.00mm)
Height - Seated (Max):	
0.079" (2.00mm)	

Environmental & Export classification

RoHS Status:	Moisture Sensitivity Level (MSL):
ROHS3 Compliant	2 (1 Year)
REACH Status:	ECCN:
REACH Unaffected	EAR99
HTSUS:	
8504.50.4000	

Low Profile Shielded SMD Chip Power Inductor

ASPI-0520

Features

- Small and low profile inductor
- High current performance
- High magnetic shield construction should actualize high resolution.
- Available for automatic mounting in tape and real package

Applications

- Mobile phones
- HDD, DVC, DSC, PDA, LCD display

5.0 x 5.0 x 2.0mm

RoHS Compliant MSL Level: 2

Electrical Specifications

Operating Temperature:	-25°C to +120°C (Including self-generated heat)
Storage Temperature:	-10°C to +40°C, 30% to 70% RH

Part Number	Inductance	Inductance Tolerance	DCR	DCR Tolerance	Saturation Current	Temperature Rise Current
Units	μH	%	mΩ	%	Α	Α
Symbol	L	M , N	DCR		Isat	Irms
ASPI-0520-1R0	1.0	Ν	21		4.00	3.60
ASPI-0520-1R5	1.5	Ν	26	±30%	3.35	3.20
ASPI-0520-2R2	2.2	Ν	35		2.90	2.90
ASPI-0520-3R3	3.3	М	48		2.40	2.40
ASPI-0520-4R7	4.7	М	60]	2.00	2.00
ASPI-0520-5R6	5.6	М	88	±20%	1.80	1.80
ASPI-0520-6R8	6.8	М	90		1.60	1.65
ASPI-0520-100	10.0	М	120		1.30	1.45
ASPI-0520-150	15.0	М	165		1.10	1.20
ASPI-0520-220	22.0	М	260		0.90	1.00
ASPI-0520-330	33.0	М	430		0.80	0.90

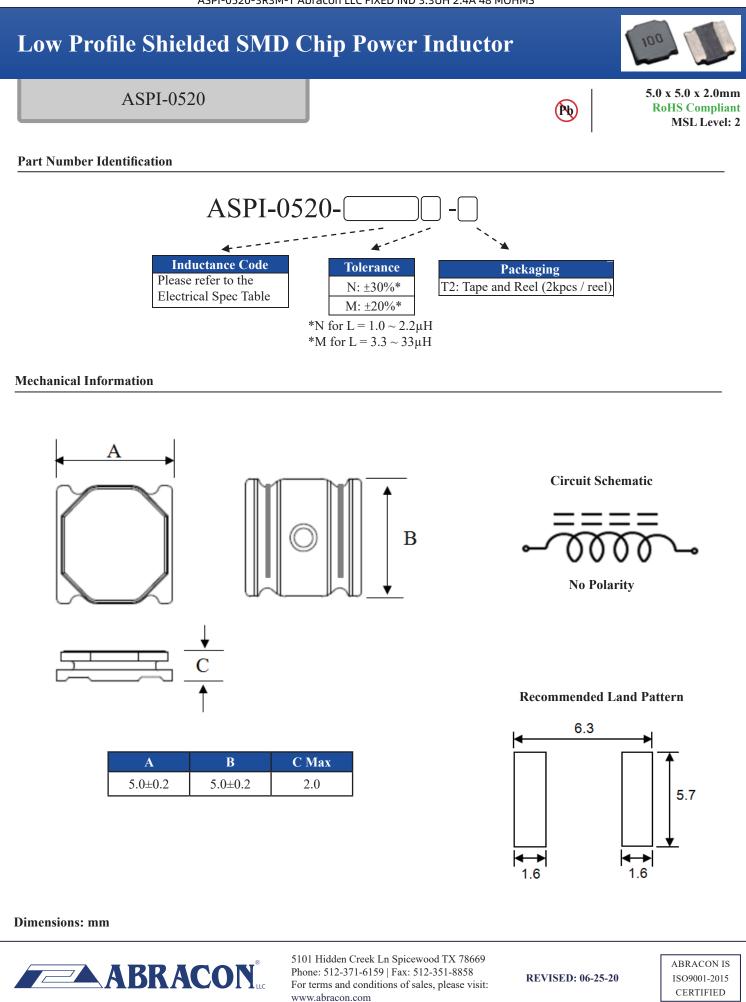
Test Conditions

- 1. Inductance is measured in HP-4285A Precision LCR Meter.
- 2. RDC is measured in DU-5011 milli ohm meter.(or equivalent).
- 3. Isat : Based on inductance change (L/Lo : \leq -30%)
- 4. Irms : Based on temperature rise (T : 40°C TYP.)
- 5. Test Freq: 100KHz, 1Vrms

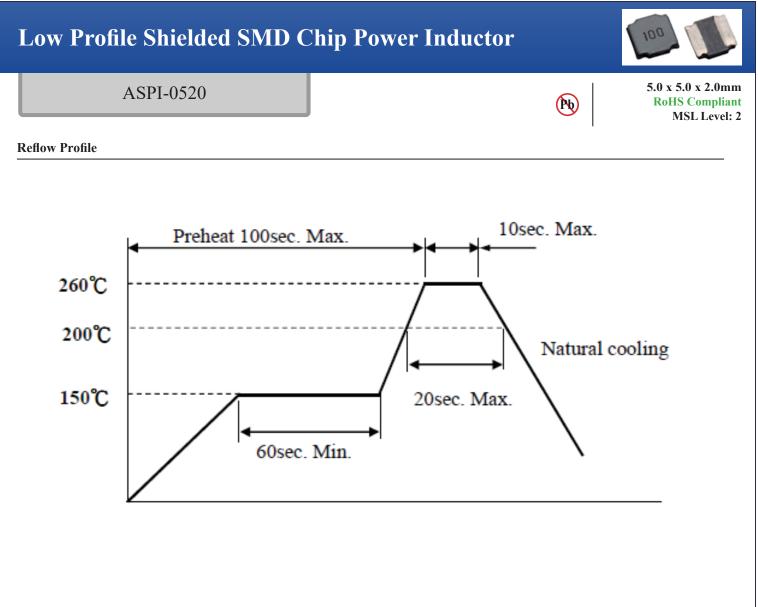


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ABRACON IS ISO9001-2015 CERTIFIED

ASPI-0520-3R3M-T Abracon LLC FIXED IND 3.3UH 2.4A 48 MOHMS





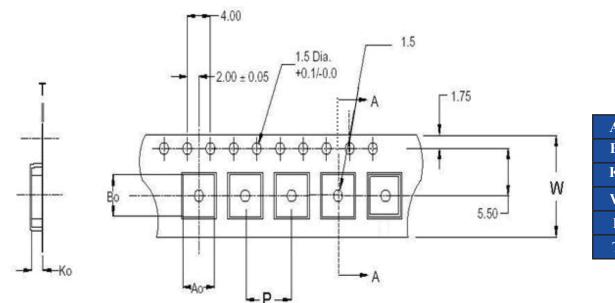
5.0 x 5.0 x 2.0mm RoHS Compliant MSL Level: 2

(Pb)

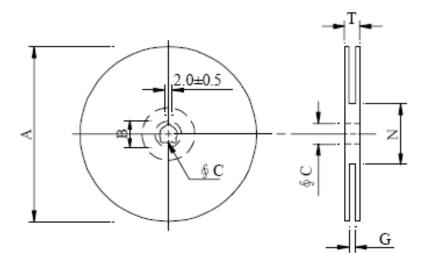
Packaging

T2= 2,000pcs/reel

ASPI-0520



A ₀	5.40
B ₀	5.40
K ₀	2.25
W	12.00
Р	8.00
Т	0.40



Α	330
В	21.0±0.8
С	13.5±0.5
G	12.6
Ν	99.5
Т	17.2

Dimensions: mm

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