

ASPI-0602S-7R3M-T Datasheet



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DiGi Electronics Part Number	ASPI-0602S-7R3M-T-DG
Manufacturer	Abracon LLC
Manufacturer Product Number	ASPI-0602S-7R3M-T
Description	FIXED IND 7.3UH 2.1A 54 MOHM SMD
Detailed Description	7.3 μ H Shielded Drum Core, Wirewound Inductor 2.1 A 54mOhm Max Nonstandard



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Purchase and inquiry

Manufacturer Product Number:

ASPI-0602S-7R3M-T

Series:

ASPI-0602S

Type:

Drum Core, Wirewound

Inductance:

7.3 μ H

Current Rating (Amps):

2.1 A

Shielding:

Shielded

Q @ Freq:

-

Ratings:

-

Inductance Frequency - Test:

10 kHz

Package / Case:

Nonstandard

Size / Dimension:

0.264" L x 0.264" W (6.70mm x 6.70mm)

Manufacturer:

Abracon LLC

Product Status:

Active

Material - Core:

Ferrite

Tolerance:

\pm 20%

Current - Saturation (Isat):

-

DC Resistance (DCR):

54mOhm Max

Frequency - Self Resonant:

-

Operating Temperature:

-40°C ~ 85°C

Mounting Type:

Surface Mount

Supplier Device Package:

-

Height - Seated (Max):

0.118" (3.00mm)

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8504.50.8000

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

SMD SHIELDED POWER INDUCTOR

ASPI - 0602S **RoHS / RoHS II Compliant**

6.7 x 6.7 x 3.0mm

FEATURES:

- Compact size: 6.7 x 6.7 x 3.0mm
- Magnetically shielded, surface mount inductor
- Large DC current & low DC resistance

APPLICATIONS:

- Excellent for power line DC-DC
- Conversion applications used in hard disk notebook computers and other electronic equipment .

ELECTRICAL SPECIFICATIONS:

Operating Temperature: -40°C to +125°C (including self-generated heat)**Storage Temperature:** -40°C to +125°C

Part Number ASPI-0602S- Inductance Code	Inductance (μ H)	Tolerance (%)	DC Resistance Max (Ω)	IDC Max (A)
ASPI-0602S-3R0	3.0	M	0.024	3.00
ASPI-0602S-3R3	3.3	M	0.040	3.00
ASPI-0602S-3R9	3.9	M	0.027	2.60
ASPI-0602S-5R0	5.0	M	0.031	2.40
ASPI-0602S-6R0	6.0	M	0.035	2.25
ASPI-0602S-7R3	7.3	M	0.054	2.10
ASPI-0602S-8R6	8.6	M	0.058	1.85
ASPI-0602S-100	10	M	0.065	1.70
ASPI-0602S-120	12	M	0.070	1.55
ASPI-0602S-150	15	M	0.084	1.40
ASPI-0602S-180	18	M	0.095	1.32
ASPI-0602S-220	22	M	0.128	1.20
ASPI-0602S-270	27	M	0.142	1.05
ASPI-0602S-330	33	M	0.165	0.97
ASPI-0602S-390	39	M	0.210	0.86
ASPI-0602S-470	47	M	0.238	0.80
ASPI-0602S-560	56	M	0.277	0.73
ASPI-0602S-680	68	M	0.304	0.65
ASPI-0602S-820	82	M	0.390	0.60
ASPI-0602S-101	100	M	0.535	0.54

Test Conditions

1. Inductance: 10kHz, 0.25V
2. IDC: Inductance decreases to 65% of initial value or temperature of coil increased by 30°C

OPTIONS AND PART IDENTIFICATION:

ASPI-0602S - -

Inductance Code	Tolerance Code	Packaging
Please refer to the Table	M: \pm 20%	T: 1kpcs/reel

SMD SHIELDED POWER INDUCTOR



6.7 x 6.7 x 3.0mm

ASPI - 0602S

RoHS / RoHS II Compliant

OUTLINE DIMENSION:

Recommended Land Pattern

A	B	C	D	E	F
6.7±0.3	6.7±0.3	3.0 max.	2.65	2.00	7.30

Dimension: mm

REFLOW PROFILE:

Zone	Description	Temperature	Time
1	Preheat / Soak	T_{SMAX} 120°C ~ 180°C	50 ~ 150 sec.
2	Reflow	T_L 217°C	90 sec.
3	Peak heat	T_P 255°C ~ 260°C	10 ~ 30 sec. MAX

SMD SHIELDED POWER INDUCTOR



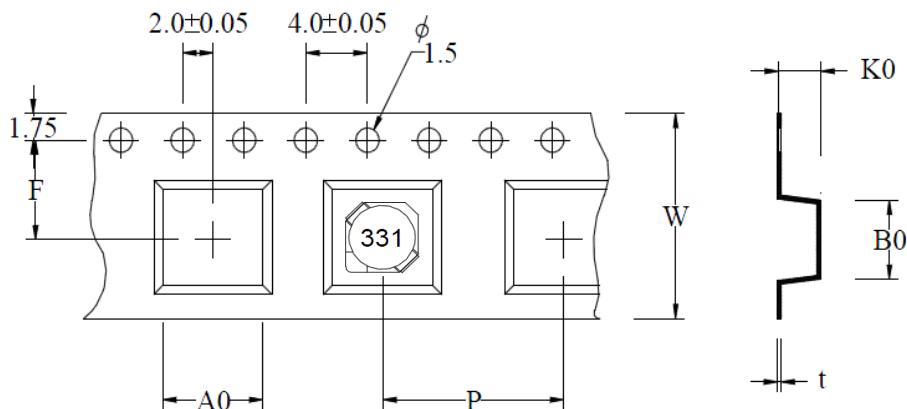
6.7 x 6.7 x 3.0mm

ASPI - 0602S

RoHS / RoHS II Compliant

TAPE & REEL:

T= tape and reel (1,000pcs/reel)



A0	B0	K0	P	F	W	t	A	B	C	D
7.0±0.1	7.0±0.1	3.3±0.1	12±0.1	7.5±0.1	16±0.3	0.35±0.05	16.5±0.2	100±0.5	13.2±0.3	330±1.0

Dimension: mm

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