# SMD SHIELDED INDUCTOR

## ASPI-0403S



6.6 x 4.45 x 2.92mm

Pb RoHS Compliant

## FEATURES:

- Low DCR
- High reliability
- Magnetically shielded
- High energy storage capacity
- High heat resistance, ideal for reflow soldering

## APPLICATIONS:

- PDAs and Pagers
- Mobile phone
- Notebook
- Battery Charger
- Flash memory programmer
- Entertainment electronic devices

## STANDARD SPECIFICATIONS:

| PARAMETERS | |
|---|---|
| ABRACON P/N: | ASPI-0403S-xxx Series |
| Operating temperature: | -40°C to + 125°C (Including self-generated heat) |
| Storage temperature: | -40°C to + 125°C |

| Part Number | Inductance (uH) | Tolerance (%) | DCR (Ω) | IDC (A) |
|---|---|---|---|---|
| ASPI-0403S-1R0M | 1.0 | M | 0.040 | 3.00 |
| ASPI-0403S-1R5M | 1.5 | M | 0.045 | 2.80 |
| ASPI-0403S-1R8M | 1.8 | M | 0.048 | 2.30 |
| ASPI-0403S-2R2M | 2.2 | M | 0.050 | 1.80 |
| ASPI-0403S-3R3M | 3.3 | M | 0.055 | 1.60 |
| ASPI-0403S-4R7M | 4.7 | M | 0.060 | 1.40 |
| ASPI-0403S-5R6M | 5.6 | M | 0.062 | 1.30 |
| ASPI-0403S-6R8M | 6.8 | M | 0.065 | 1.20 |
| ASPI-0403S-100M | 10 | M | 0.075 | 1.00 |
| ASPI-0403S-150M | 15 | M | 0.090 | 0.80 |
| ASPI-0403S-220M | 22 | M | 0.110 | 0.70 |
| ASPI-0403S-330M | 33 | M | 0.190 | 0.60 |
| ASPI-0403S-470M | 47 | M | 0.230 | 0.50 |
| ASPI-0403S-680M | 68 | M | 0.290 | 0.40 |
| ASPI-0403S-101M | 100 | M | 0.480 | 0.30 |
| ASPI-0403S-151M | 150 | M | 0.590 | 0.26 |
| ASPI-0403S-221M | 220 | M | 0.770 | 0.22 |
| ASPI-0403S-331M | 330 | M | 1.400 | 0.20 |
| ASPI-0403S-471M | 470 | M | 1.800 | 0.19 |
| ASPI-0403S-681M | 680 | M | 2.200 | 0.18 |
| ASPI-0403S-102M | 1000 | M | 3.400 | 0.15 |
| ASPI-0403S-152M | 1500 | M | 4.200 | 0.12 |
| ASPI-0403S-222M | 2200 | M | 8.500 | 0.10 |
| ASPI-0403S-332M | 3300 | M | 11.000 | 0.08 |
| ASPI-0403S-472M | 4700 | M | 13.900 | 0.06 |
| ASPI-0403S-682M | 6800 | M | 25.000 | 0.04 |

Test Frequency is 100KHz. DCR & IDC listed are all Max. value. Tolerance: M=±20%, M tolerance is standard

## PART IDENTIFICATIONS:

**ASPI - 0403S - □□□ □ - □**

| Inductance Code |
|---|
| Please refer to the Table |

| Tolerance Code | |
|---|---|
| M | ±20% |

| Packaging | |
|---|---|
| T | Tape & Reel |

ABRACON LLC

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

REVISED: 11-27-19

ABRACON IS ISO9001-2015 CERTIFIED

# SMD SHIELDED INDUCTOR

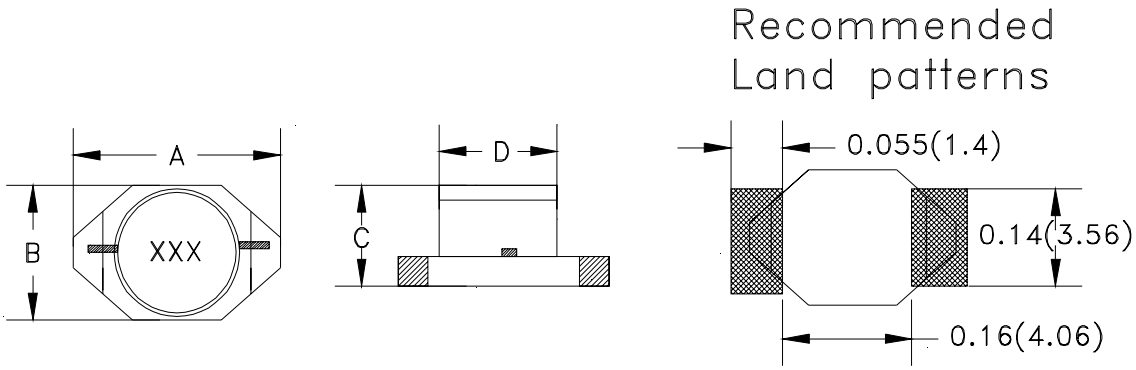
## ASPI-0403S



6.6 x 4.45 x 2.92 mm

Pb RoHS Compliant

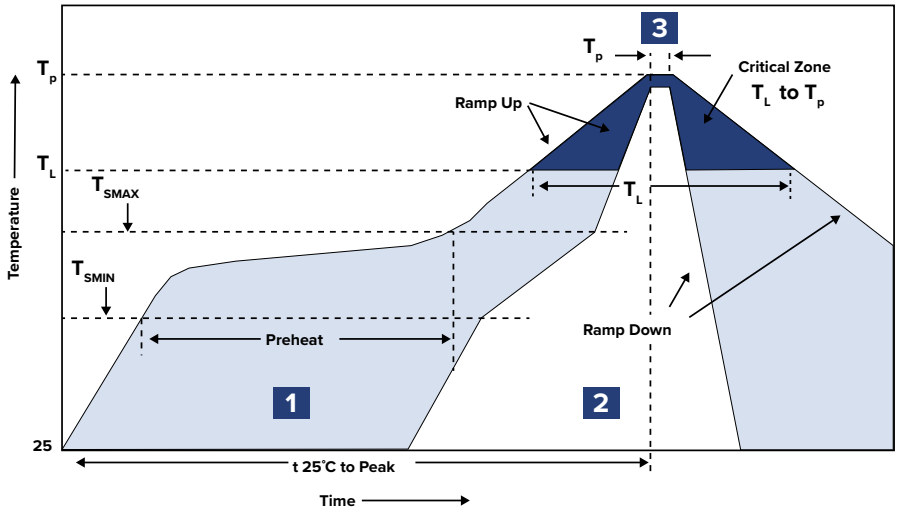
## OUTLINE DIMENSION:




| Part | A | B | C | D |
|---|---|---|---|---|
| ASPI-0403S-xxx | 0.260 Max | 0.175 Max | 0.115 Max | 0.157±0.012 |
| | (6.60) Max | (4.45) Max | (2.92) Max | (4.0±0.3) |

Dimensions: Inches (mm)

## REFLOW PROFILE:




| Zone | Description | Temperature | Time |
|---|---|---|---|
| 1 | Preheat / Soak | $T_{SMAX}$ 150°C | 130 sec. |
| 2 | Reflow | $T_L$ 235°C | 10 sec. |
| 3 | Peak heat | $T_P$ 250°C | 10 sec. MAX |


ABRACON LLC

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



REVISED: 11-27-19


ABRACON IS ISO9001-2015 CERTIFIED

# SMD SHIELDED INDUCTOR

## ASPI-0403S

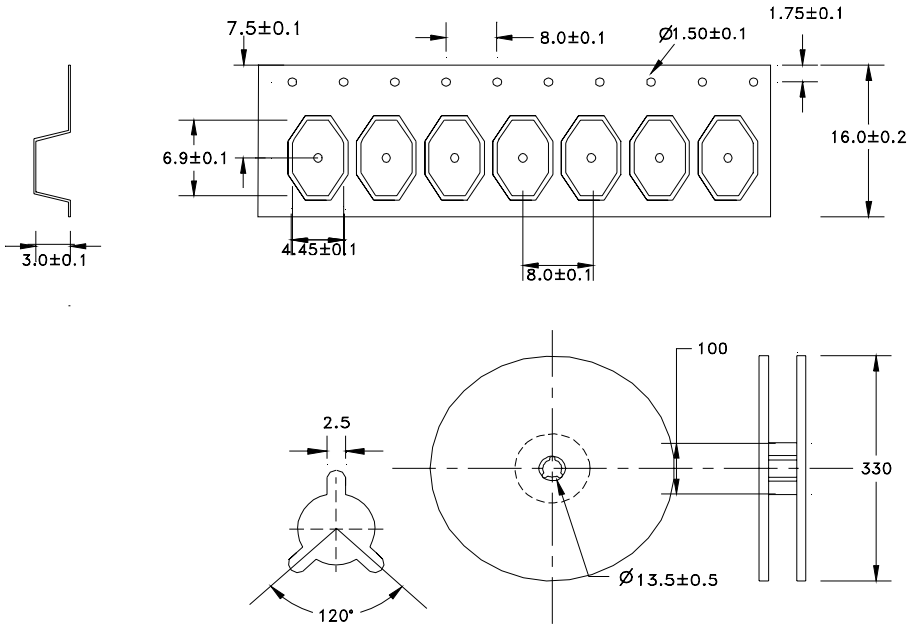
RoHS Compliant



6.6 x 4.45 x 2.92 mm

## TAPE & REEL:

T= tape and reel (2,500 pcs per reel)




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.

ABRACON LLC

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

REVISED: 11-27-19

ABRACON IS ISO9001-2015 CERTIFIED