

SMD SHIELDED INDUCTOR

ASPI-0403S



RoHS
Compliant



6.6 x 4.45 x 2.92 mm

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:

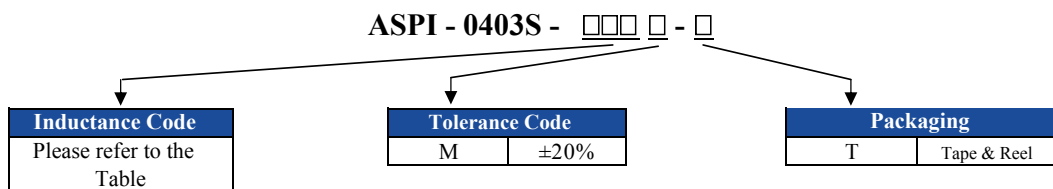
PARAMETERS

| | |
|------------------------|--|
| 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:



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

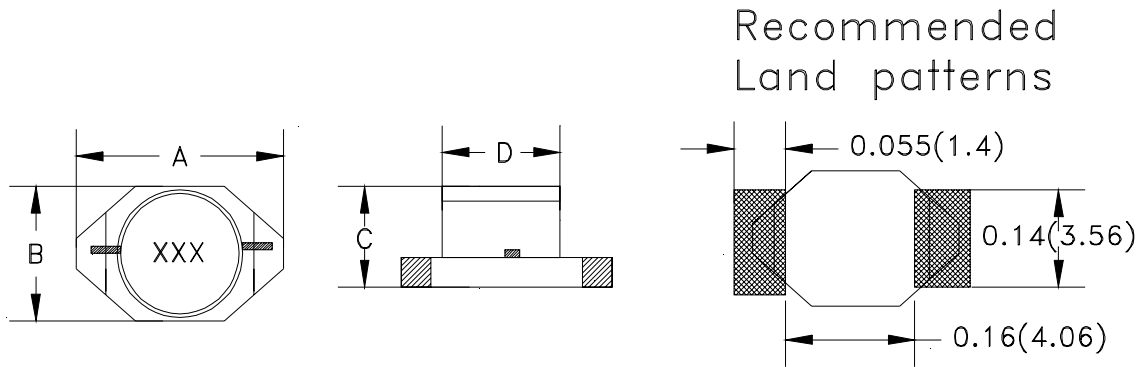
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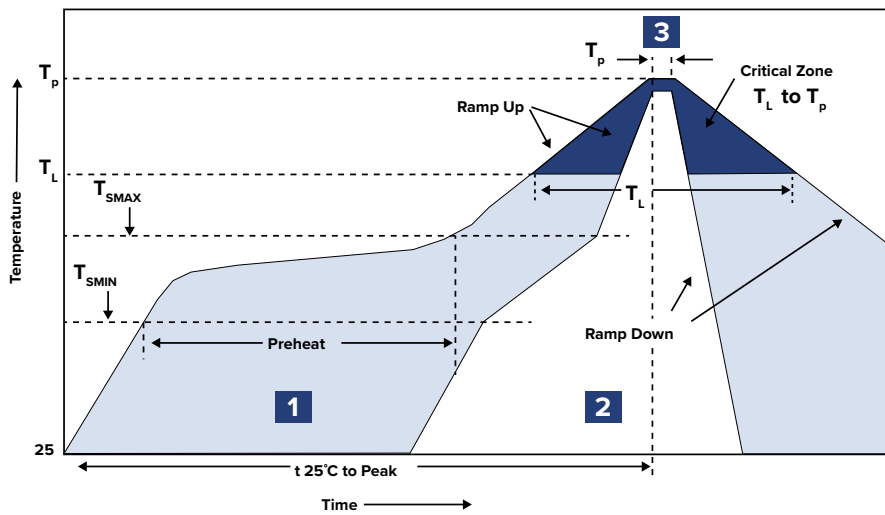
OUTLINE DIMENSION:



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

Mouser Electronics

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ABRACON:

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