

Shielded SMD Power Inductors - SDS73H SERIES



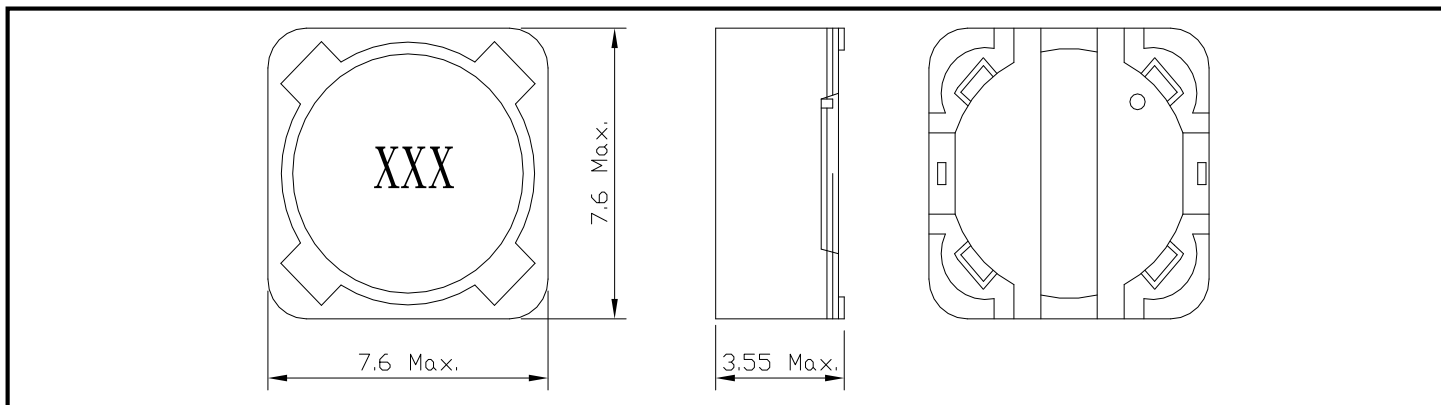
PART NUMBERING SYSTEM

(AEC-Q200)

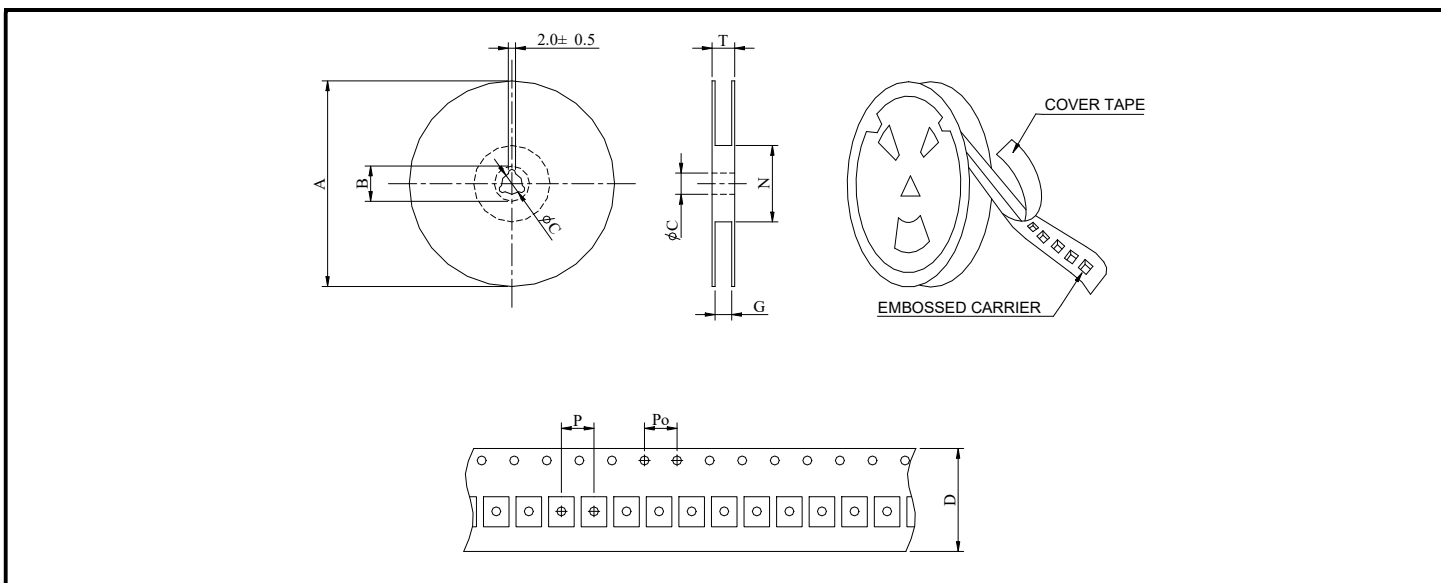
| | | | | | |
|------------|------------|---|-------------|---|-----------|
| SDS | 73H | — | 330M | — | LF |
| TYPE | DIMENSIONS | | INDUCTANCE | | LEAD FREE |

SHAPES AND DIMENSIONS

UNIT : mm



PACKAGING SPECIFICATION



| SERIES | STAYLE | Q' TY (PCS) | DIMENSIONS (m/m) | | | | | | | | |
|--------|--------|----------------|------------------|-------|-------|----|-----------------|----------------|---|----|------|
| | | | A | B±0.8 | C±0.5 | D | G ⁺⁰ | N ⁰ | P | Po | T |
| SDS73H | 13-16 | 1000 | 330 | 21 | 13 | 16 | 18 | 50 | 8 | 4 | 22.4 |

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SPECIFICATION TABLE

(AEC-Q200)

| PART NUMBER | INDUCTANCE (μ H) | DCR (Ω) (Max.) | Isat (A) (Max.) | Irms (A) (Max.) | TEST FREQ. (Freq.) |
|----------------|--------------------------|----------------------------|--------------------|--------------------|------------------------|
| SDS73H-R33M-LF | 0.33 \pm 20% | 0.0095 | 14.4 | 6.21 | 100KHz |
| SDS73H-1R0M-LF | 1.00 \pm 20% | 0.0133 | 7.97 | 5.28 | 100KHz |
| SDS73H-1R5M-LF | 1.50 \pm 20% | 0.0169 | 6.52 | 4.67 | 100KHz |
| SDS73H-2R2M-LF | 2.20 \pm 20% | 0.0215 | 5.52 | 4.15 | 100KHz |
| SDS73H-3R3M-LF | 3.30 \pm 20% | 0.0337 | 4.22 | 3.31 | 100KHz |
| SDS73H-4R7M-LF | 4.70 \pm 20% | 0.0386 | 3.78 | 3.09 | 100KHz |
| SDS73H-6R8M-LF | 6.80 \pm 20% | 0.0566 | 3.12 | 2.55 | 100KHz |
| SDS73H-8R2M-LF | 8.20 \pm 20% | 0.0770 | 2.66 | 2.19 | 100KHz |
| SDS73H-100M-LF | 10 \pm 20% | 0.0853 | 2.47 | 2.08 | 100KHz |
| SDS73H-150M-LF | 15 \pm 20% | 0.1100 | 2.05 | 1.83 | 100KHz |
| SDS73H-220M-LF | 22 \pm 20% | 0.1391 | 1.67 | 1.62 | 100KHz |
| SDS73H-330M-LF | 33 \pm 20% | 0.2158 | 1.35 | 1.31 | 100KHz |
| SDS73H-470M-LF | 47 \pm 20% | 0.3133 | 1.14 | 1.08 | 100KHz |
| SDS73H-680M-LF | 68 \pm 20% | 0.4654 | 0.96 | 0.89 | 100KHz |
| SDS73H-820M-LF | 82 \pm 20% | 0.4992 | 0.89 | 0.86 | 100KHz |
| SDS73H-101M-LF | 100 \pm 20% | 0.6851 | 0.79 | 0.73 | 100KHz |
| SDS73H-151M-LF | 150 \pm 20% | 1.1063 | 0.65 | 0.58 | 100KHz |
| SDS73H-221M-LF | 220 \pm 20% | 1.3650 | 0.53 | 0.52 | 100KHz |
| SDS73H-331M-LF | 330 \pm 20% | 2.0670 | 0.44 | 0.42 | 100KHz |
| SDS73H-471M-LF | 470 \pm 20% | 3.0680 | 0.37 | 0.35 | 100KHz |
| SDS73H-681M-LF | 680 \pm 20% | 4.5110 | 0.31 | 0.29 | 100KHz |
| SDS73H-821M-LF | 820 \pm 20% | 5.1090 | 0.28 | 0.27 | 100KHz |
| SDS73H-102M-LF | 1000 \pm 20% | 5.6420 | 0.25 | 0.26 | 100KHz |

- DC current at which the inductance drops 30% (typ.) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C .