

## Low Profile SMD Power Chokes - SD32 SERIES



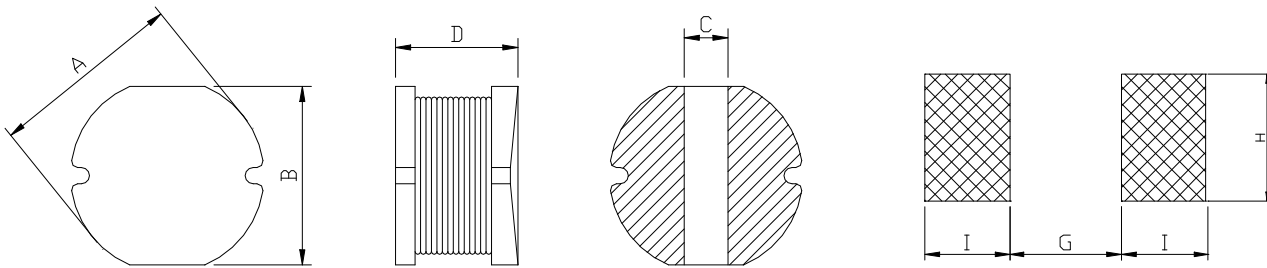
### PART NUMBERING SYSTEM

(AEC-Q200)

|            |            |   |             |   |           |
|------------|------------|---|-------------|---|-----------|
| <b>SDR</b> | <b>32</b>  | — | <b>470K</b> | — | <b>LF</b> |
| TYPE       | DIMENSIONS |   | INDUCTANCE  |   | LEAD FREE |

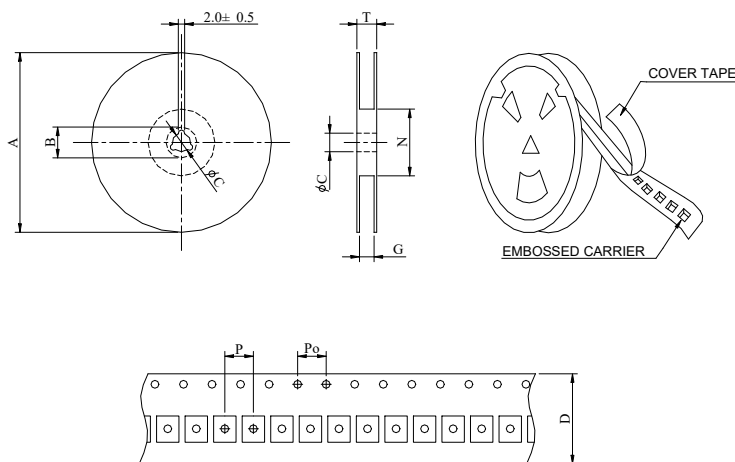
### SHAPES AND DIMENSIONS

UNIT : mm



A=3.5±0.3 B=3.0±0.3 C= 1.0Ref. D=2.5 Max. G= 1.00 H=2.80 I=1.40

### PACKAGING SPECIFICATION



| SERIES | STAYLE | Q'TY<br>(PCS) | DIMENSIONS (m/m) |       |       |    |                 |                |   |    |      |
|--------|--------|---------------|------------------|-------|-------|----|-----------------|----------------|---|----|------|
|        |        |               | A                | B±0.8 | C±0.5 | D  | G <sup>+0</sup> | N <sup>0</sup> | P | Po | T    |
| SDR32  | 13-12  | 2000          | 330              | 21    | 13    | 12 | 14              | 50             | 8 | 4  | 18.4 |

## SPECIFICATION TABLE

| PART NUMBER   | INDUCTANCE<br>( $\mu$ H) | DCR ( $\Omega$ )<br>(Max.) | IDC (A)<br>(Max.) | TEST FREQ.<br>(MHz) |
|---------------|--------------------------|----------------------------|-------------------|---------------------|
| SDR32-1R0M-LF | 1.0 $\pm$ 20%            | 0.07                       | 2.08              | 100KHz              |
| SDR32-1R4M-LF | 1.4 $\pm$ 20%            | 0.09                       | 1.86              | 100KHz              |
| SDR32-1R8M-LF | 1.8 $\pm$ 20%            | 0.11                       | 1.80              | 100KHz              |
| SDR32-2R2M-LF | 2.2 $\pm$ 20%            | 0.13                       | 1.39              | 100KHz              |
| SDR32-2R7M-LF | 2.7 $\pm$ 20%            | 0.14                       | 1.32              | 100KHz              |
| SDR32-3R3M-LF | 3.3 $\pm$ 20%            | 0.20                       | 1.25              | 100KHz              |
| SDR32-3R9M-LF | 3.9 $\pm$ 20%            | 0.21                       | 1.20              | 100KHz              |
| SDR32-4R7M-LF | 4.7 $\pm$ 20%            | 0.33                       | 1.03              | 100KHz              |
| SDR32-5R6M-LF | 5.6 $\pm$ 20%            | 0.35                       | 0.91              | 100KHz              |
| SDR32-6R8M-LF | 6.8 $\pm$ 20%            | 0.38                       | 0.85              | 100KHz              |
| SDR32-8R2M-LF | 8.2 $\pm$ 20%            | 0.43                       | 0.82              | 100KHz              |
| SDR32-100M-LF | 10 $\pm$ 20%             | 0.50                       | 0.74              | 100KHz              |
| SDR32-120M-LF | 12 $\pm$ 20%             | 0.65                       | 0.64              | 100KHz              |
| SDR32-150M-LF | 15 $\pm$ 20%             | 0.82                       | 0.60              | 100KHz              |
| SDR32-180M-LF | 18 $\pm$ 20%             | 0.90                       | 0.54              | 100KHz              |
| SDR32-220M-LF | 22 $\pm$ 20%             | 1.14                       | 0.50              | 100KHz              |
| SDR32-270M-LF | 27 $\pm$ 20%             | 1.39                       | 0.43              | 100KHz              |
| SDR32-330K-LF | 33 $\pm$ 10%             | 1.55                       | 0.40              | 100KHz              |
| SDR32-390K-LF | 39 $\pm$ 10%             | 2.15                       | 0.37              | 100KHz              |
| SDR32-470K-LF | 47 $\pm$ 10%             | 2.44                       | 0.36              | 100KHz              |
| SDR32-560K-LF | 56 $\pm$ 10%             | 2.68                       | 0.31              | 100KHz              |
| SDR32-680K-LF | 68 $\pm$ 10%             | 3.05                       | 0.30              | 100KHz              |
| SDR32-820K-LF | 82 $\pm$ 10%             | 3.48                       | 0.28              | 100KHz              |
| SDR32-101K-LF | 100 $\pm$ 10%            | 4.10                       | 0.22              | 100KHz              |
| SDR32-121K-LF | 120 $\pm$ 10%            | 4.89                       | 0.20              | 100KHz              |
| SDR32-151K-LF | 150 $\pm$ 10%            | 6.08                       | 0.17              | 100KHz              |
| SDR32-181K-LF | 180 $\pm$ 10%            | 7.26                       | 0.15              | 100KHz              |
| SDR32-221K-LF | 220 $\pm$ 10%            | 8.83                       | 0.11              | 100KHz              |
| SDR32-271K-LF | 270 $\pm$ 10%            | 10.8                       | 0.074             | 100KHz              |
| SDR32-331K-LF | 330 $\pm$ 10%            | 13.0                       | 0.065             | 100KHz              |
| SDR32-391K-LF | 390 $\pm$ 10%            | 15.2                       | 0.060             | 100KHz              |
| SDR32-471K-LF | 470 $\pm$ 10%            | 17.5                       | 0.045             | 100KHz              |
| SDR32-561K-LF | 560 $\pm$ 10%            | 22.5                       | 0.030             | 100KHz              |

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C , Electrical specifications at 25 $^{\circ}$ C.