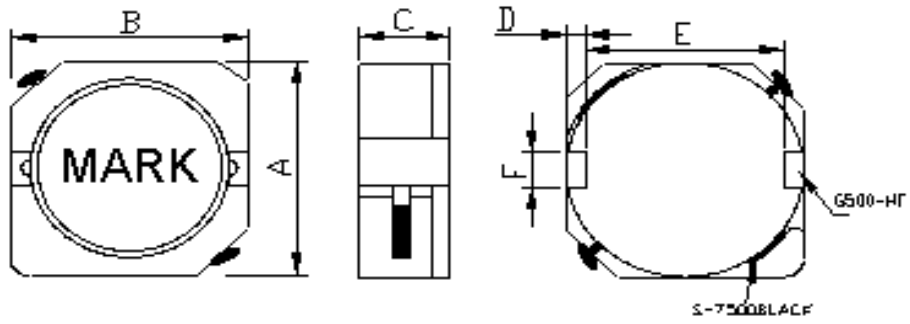


1 MECHANICAL CHARACTERISTICS

1.1 DIMENSION (Unit:mm)



| UNIT : mm |          |
|-----------|----------|
| A         | 10.0±0.3 |
| B         | 10.0±0.5 |
| C         | 4.0MAX   |
| D         | 1.2TYP   |
| E         | 7.7TYP   |
| F         | 3.0TYP   |

## 2. ELECTRICAL CHARACTERISTICS

| Symbol            | L (uH) | Test frequency | DCR (mΩ) MAX | Isat(A)<br>$\Delta L/L0 \leq 35\%$ |
|-------------------|--------|----------------|--------------|------------------------------------|
| D PSDB1004-001.0  | 1.0    | 100KHZ/0.25V   | 6.5          | 10.50                              |
| D PSDB1004-001.5  | 1.5    | 100KHZ/0.25V   | 10.5         | 9.50                               |
| D PSDB1004-001.8  | 1.8    | 100KHZ/0.25V   | 10.5         | 9.50                               |
| D PSDB1004-002.2  | 2.2    | 100KHZ/0.25V   | 10.5         | 7.50                               |
| D PSDB1004-002.5  | 2.5    | 100KHZ/0.25V   | 10.5         | 7.50                               |
| D PSDB1004-003.3  | 3.3    | 100KHZ/0.25V   | 13.0         | 6.00                               |
| D PSDB1004-003.8  | 3.8    | 100KHZ/0.25V   | 15.0         | 6.00                               |
| D PSDB1004-004.7  | 4.7    | 100KHZ/0.25V   | 23.0         | 5.80                               |
| D PSDB1004-005.2  | 5.2    | 100KHZ/0.25V   | 23.0         | 5.50                               |
| D PSDB1004-006.8  | 6.8    | 100KHZ/0.25V   | 27.0         | 4.80                               |
| D PSDB1004-007.0  | 7.0    | 100KHZ/0.25V   | 27.0         | 4.80                               |
| D PSDB1004-008.2  | 8.2    | 100KHZ/0.25V   | 35.0         | 4.40                               |
| D PSDB1004-010.0  | 10     | 100KHZ/0.25V   | 35.0         | 4.40                               |
| D PSDB1004-012.0  | 12     | 100KHZ/0.25V   | 46.0         | 4.00                               |
| D PSDB1004-015.0  | 15     | 100KHZ/0.25V   | 50.0         | 3.60                               |
| D PSDB1004-018.0  | 18     | 100KHZ/0.25V   | 70.0         | 3.10                               |
| D PSDB1004-022.0  | 22     | 100KHZ/0.25V   | 73.0         | 2.90                               |
| D PSDB1004-027.0  | 27     | 100KHZ/0.25V   | 89.0         | 2.60                               |
| D PSDB1004-033.0  | 33     | 100KHZ/0.25V   | 93.0         | 2.30                               |
| D PSDB1004-039.0  | 39     | 100KHZ/0.25V   | 125.0        | 2.20                               |
| D PSDB1004-047.0  | 47     | 100KHZ/0.25V   | 128.0        | 2.10                               |
| D PSDB1004-056.0  | 56     | 100KHZ/0.25V   | 188.0        | 1.65                               |
| D PSDB1004-068.0  | 68     | 100KHZ/0.25V   | 213.0        | 1.50                               |
| D PSDB1004-082.0  | 82     | 100KHZ/0.25V   | 300.0        | 1.40                               |
| D PSDB1004-100.0  | 100    | 100KHZ/0.25V   | 304.0        | 1.35                               |
| D PSDB1004-120.0  | 120    | 100KHZ/0.25V   | 420.0        | 1.18                               |
| D PSDB1004-150.0  | 150    | 100KHZ/0.25V   | 506.0        | 1.15                               |
| D PSDB1004-180.0  | 180    | 100KHZ/0.25V   | 650.0        | 1.00                               |
| D PSDB1004-220.0  | 220    | 100KHZ/0.25V   | 756.0        | 0.92                               |
| D PSDB1004-270.0  | 270    | 100KHZ/0.25V   | 1020.0       | 0.80                               |
| D PSDB1004-330.0  | 330    | 100KHZ/0.25V   | 1090.0       | 0.70                               |
| D PSDB1004-390.0  | 390    | 100KHZ/0.25V   | 1500.0       | 0.60                               |
| D PSDB1004-470.0  | 470    | 100KHZ/0.25V   | 1690.0       | 0.50                               |
| D PSDB1004-560.0  | 560    | 100KHZ/0.25V   | 2550.0       | 0.45                               |
| D PSDB1004-680.0  | 680    | 100KHZ/0.25V   | 2600.0       | 0.45                               |
| D PSDB1004-820.0  | 820    | 100KHZ/0.25V   | 3800.0       | 0.45                               |
| D PSDB1004-1000.0 | 1000   | 100KHZ/0.25V   | 4050.0       | 0.40                               |
| D PSDB1004-1500.0 | 1500   | 100KHZ/0.25V   | 5200.0       | 0.14                               |
| D PSDB1004-2000.0 | 2000   | 100KHZ/0.25V   | 7800.0       | 0.12                               |