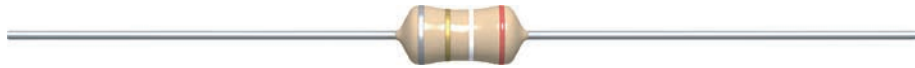


# HBCC

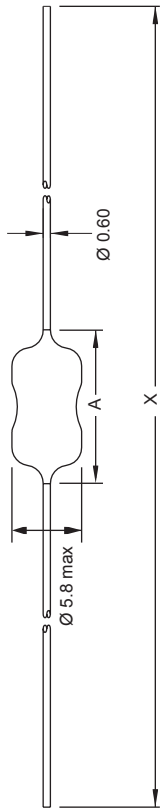
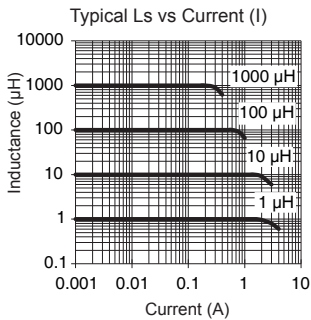
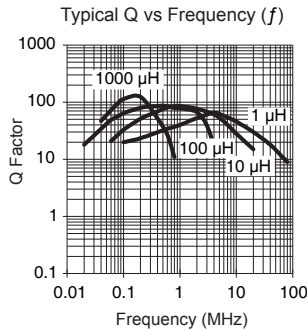
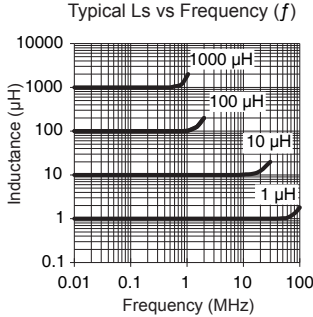


Similar to moulded CESH



Leaded Inductors (Fixed Choke Coils)

| L (μH)      | A (max) | X  |
|-------------|---------|----|
| 1.0 - 18    | 14.5    | 63 |
| 22 - 100000 | 12.8    | 66 |



Single layer (typ)

| Part No        | Inductance | f <sub>L</sub> | Tol         | Q   | f <sub>a</sub> | SRF <sub>min</sub> | DCR <sub>max</sub> | Rated DC    |
|----------------|------------|----------------|-------------|-----|----------------|--------------------|--------------------|-------------|
|                | L (μH)     | (MHz)          | ± (%)       | min | (MHz)          | (MHz)              | (Ω)                | Current (A) |
| HBCC-1R0X-YY   | 1.0        | 1              | <b>5.10</b> | 40  | 7.96           | 200                | 0.08               | 2.20        |
| HBCC-1R2X-YY   | 1.2        | 1              | <b>5.10</b> | 40  | 7.96           | 185                | 0.09               | 2.15        |
| HBCC-1R5X-YY   | 1.5        | 1              | <b>5.10</b> | 40  | 7.96           | 170                | 0.10               | 2.10        |
| HBCC-1R8X-YY   | 1.8        | 1              | <b>5.10</b> | 40  | 7.96           | 155                | 0.10               | 2.00        |
| HBCC-2R2X-YY   | 2.2        | 1              | <b>5.10</b> | 40  | 7.96           | 140                | 0.11               | 1.90        |
| HBCC-2R7X-YY   | 2.7        | 1              | <b>5.10</b> | 40  | 7.96           | 130                | 0.12               | 1.80        |
| HBCC-3R3X-YY   | 3.3        | 1              | <b>5.10</b> | 40  | 7.96           | 120                | 0.14               | 1.75        |
| HBCC-3R9X-YY   | 3.9        | 1              | <b>5.10</b> | 40  | 7.96           | 110                | 0.15               | 1.70        |
| HBCC-4R7X-YY   | 4.7        | 1              | <b>5.10</b> | 40  | 7.96           | 100                | 0.16               | 1.60        |
| HBCC-5R6X-YY   | 5.6        | 1              | <b>5.10</b> | 40  | 7.96           | 90                 | 0.17               | 1.55        |
| HBCC-6R8X-YY   | 6.8        | 1              | <b>5.10</b> | 40  | 7.96           | 80                 | 0.19               | 1.50        |
| HBCC-8R2X-YY   | 8.2        | 1              | <b>5.10</b> | 40  | 7.96           | 70                 | 0.20               | 1.45        |
| HBCC-100X-YY   | 10         | 1              | <b>5.10</b> | 60  | 2.52           | 60                 | 0.22               | 1.40        |
| HBCC-120X-YY   | 12         | 0.02           | <b>5.10</b> | 60  | 2.52           | 40                 | 0.26               | 1.30        |
| HBCC-150X-YY   | 15         | 0.02           | <b>5.10</b> | 60  | 2.52           | 20                 | 0.30               | 1.25        |
| HBCC-180X-YY   | 18         | 0.02           | <b>5.10</b> | 60  | 2.52           | 17                 | 0.33               | 1.20        |
| HBCC-220X-YY   | 22         | 0.02           | <b>5.10</b> | 40  | 2.52           | 12                 | 0.35               | 1.10        |
| HBCC-250X-YY   | 25         | 0.02           | <b>5.10</b> | 40  | 2.52           | 10                 | 0.39               | 1.00        |
| HBCC-270X-YY   | 27         | 0.02           | <b>5.10</b> | 40  | 2.52           | 10                 | 0.39               | 1.00        |
| HBCC-330X-YY   | 33         | 0.02           | <b>5.10</b> | 40  | 2.52           | 8.0                | 0.43               | 0.90        |
| HBCC-390X-YY   | 39         | 0.02           | <b>5.10</b> | 40  | 2.52           | 6.5                | 0.47               | 0.85        |
| HBCC-470X-YY   | 47         | 0.02           | <b>5.10</b> | 40  | 2.52           | 5.0                | 0.50               | 0.80        |
| HBCC-560X-YY   | 56         | 0.02           | <b>5.10</b> | 40  | 2.52           | 4.5                | 0.55               | 0.75        |
| HBCC-680X-YY   | 68         | 0.02           | <b>5.10</b> | 30  | 2.52           | 4.0                | 0.60               | 0.70        |
| HBCC-820X-YY   | 82         | 0.02           | <b>5.10</b> | 30  | 2.52           | 3.7                | 0.65               | 0.65        |
| HBCC-101X-YY   | 100        | 0.02           | <b>5.10</b> | 50  | 0.796          | 3.5                | 0.70               | 0.60        |
| HBCC-121X-YY   | 120        | 0.02           | <b>5.10</b> | 50  | 0.796          | 3.2                | 1.00               | 0.55        |
| HBCC-151X-YY   | 150        | 0.02           | <b>5.10</b> | 50  | 0.796          | 3.0                | 1.20               | 0.50        |
| HBCC-181X-YY   | 180        | 0.02           | <b>5.10</b> | 50  | 0.796          | 2.7                | 1.40               | 0.45        |
| HBCC-221X-YY   | 220        | 0.02           | <b>5.10</b> | 50  | 0.796          | 2.4                | 1.60               | 0.40        |
| HBCC-271X-YY   | 270        | 0.02           | <b>5.10</b> | 50  | 0.796          | 2.1                | 1.80               | 0.37        |
| HBCC-331X-YY   | 330        | 0.02           | <b>5.10</b> | 50  | 0.796          | 1.9                | 2.0                | 0.33        |
| HBCC-391X-YY   | 390        | 0.02           | <b>5.10</b> | 50  | 0.796          | 1.7                | 2.3                | 0.31        |
| HBCC-471X-YY   | 470        | 0.02           | <b>5.10</b> | 40  | 0.796          | 1.5                | 2.5                | 0.28        |
| HBCC-561X-YY   | 560        | 0.02           | <b>5.10</b> | 40  | 0.796          | 1.4                | 2.9                | 0.26        |
| HBCC-681X-YY   | 680        | 0.02           | <b>5.10</b> | 40  | 0.796          | 1.3                | 3.2                | 0.24        |
| HBCC-821X-YY   | 820        | 0.02           | <b>5.10</b> | 30  | 0.796          | 1.25               | 3.5                | 0.22        |
| HBCC-102X-YY   | 1000       | 0.02           | <b>5.10</b> | 60  | 0.252          | 1.20               | 3.8                | 0.20        |
| HBCC-122X-YY   | 1200       | 0.02           | <b>5.10</b> | 60  | 0.252          | 1.10               | 5.2                | 0.18        |
| HBCC-152X-YY   | 1500       | 0.02           | <b>5.10</b> | 60  | 0.252          | 1.00               | 6.5                | 0.16        |
| HBCC-182X-YY   | 1800       | 0.02           | <b>5.10</b> | 60  | 0.252          | 0.90               | 8                  | 0.14        |
| HBCC-222X-YY   | 2200       | 0.02           | <b>5.10</b> | 60  | 0.252          | 0.80               | 9                  | 0.12        |
| HBCC-272X-YY   | 2700       | 0.02           | <b>5.10</b> | 60  | 0.252          | 0.70               | 12                 | 0.12        |
| HBCC-332X-YY   | 3300       | 0.02           | <b>5.10</b> | 60  | 0.252          | 0.60               | 15                 | 0.11        |
| HBCC-392X-YY   | 3900       | 0.02           | <b>5.10</b> | 60  | 0.252          | 0.55               | 18                 | 0.10        |
| HBCC-472X-YY   | 4700       | 0.02           | <b>5.10</b> | 60  | 0.252          | 0.50               | 22                 | 0.09        |
| HBCC-502X-YY   | 5000       | 0.02           | <b>5.10</b> | 60  | 0.252          | 0.40               | 24                 | 0.09        |
| HBCC-532X-YY   | 5300       | 0.02           | <b>5.10</b> | 60  | 0.252          | 0.40               | 30                 | 0.08        |
| HBCC-682X-YY   | 6800       | 0.02           | <b>5.10</b> | 60  | 0.252          | 0.40               | 30                 | 0.08        |
| HBCC-103X-YY   | 10000      | 0.02           | <b>5.10</b> | 50  | 0.079          | 0.35               | 42                 | 0.06        |
| HBCC-153X-YY   | 15000      | 0.02           | <b>5.10</b> | 50  | 0.079          | 0.30               | 68                 | 0.05        |
| HBCC-183X-YY   | 18000      | 0.02           | <b>5.10</b> | 50  | 0.079          | 0.26               | 120                | 0.04        |
| HBCC-223X-YY   | 22000      | 0.02           | <b>5.10</b> | 50  | 0.079          | 0.26               | 120                | 0.04        |
| HBCC-333X-YY   | 33000      | 0.02           | <b>5.10</b> | 50  | 0.079          | 0.22               | 150                | 0.035       |
| HBCC-363X-YY   | 36000      | 0.02           | <b>5.10</b> | 50  | 0.079          | 0.22               | 150                | 0.035       |
| HBCC-473X-YY   | 47000      | 0.02           | <b>5.10</b> | 40  | 0.079          | 0.18               | 230                | 0.030       |
| * HBCC-683X-YY | 68000      | 0.02           | <b>5.10</b> | 40  | 0.079          | 0.15               | 290                | 0.025       |
| * HBCC-104X-YY | 100000     | 0.02           | <b>5.10</b> | 40  | 0.079          | 0.12               | 390                | 0.020       |

Core Material : Ferrite

SPQ :

| Packing Form | Taped / Reel | Taped / Ammopack |
|--------------|--------------|------------------|
| Axial        | 1200 [-01]   | 600 [-02]        |
| Radial       | 1000 [-31]   | 1800 [-32]       |

Remarks:

\* This inductance does not comply to IEC standard.

Revision date : 11 Aug 2014