

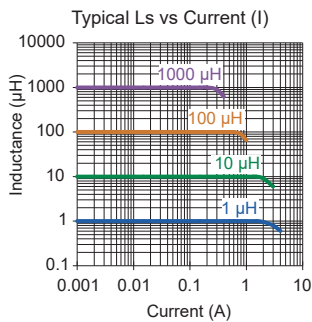
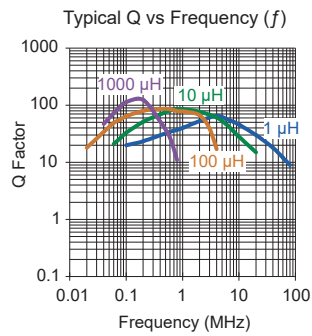
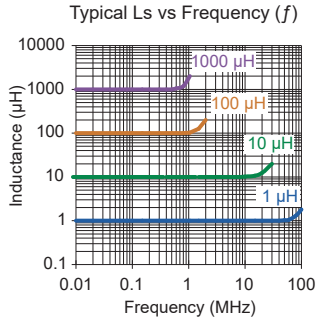
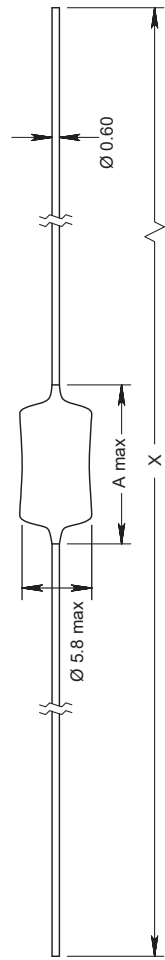
# HBCC



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       | DCR     | Rated DC    |
|----------------|------------|----------------|-------------|-----|----------------|-----------|---------|-------------|
|                | L (μH)     | (MHz)          | ± (%)       | min | (MHz)          | min (MHz) | max (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:

| Packaging Form | Taped / Reel | Taped / Ammo pack |
|----------------|--------------|-------------------|
| Axial          | 1200 [-01]   | 600 [-02]         |
| Radial         | 1000 [-31]   | 1800 [-32]        |

Remarks:

\* This inductance does not comply to IEC standard.

Revision date: 07 May 2020