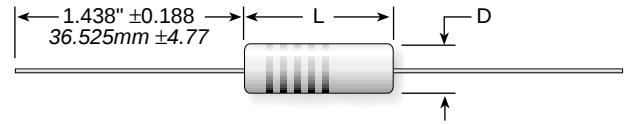


# H & J Series

## R. F. Molded Chokes



(Color coded in accordance with MIL-C-15305)

| Series | Construction                      | Inductance        | Style | Grade/<br>Class | Max.<br>oper.<br>temp. | Max<br>temp.<br>rise | Ambient<br>temp. | Dielectric<br>withstanding voltage<br>(sea level) | (reduced pressure) | Terminal<br>pull | Altitude   | Dimensions (in. / mm)<br>Length | Diameter           | AWG |
|--------|-----------------------------------|-------------------|-------|-----------------|------------------------|----------------------|------------------|---------------------------------------------------|--------------------|------------------|------------|---------------------------------|--------------------|-----|
| HM     | Phenolic<br>Powd. iron<br>Ferrite | 0.10–0.47 $\mu$ H | LT4   | 1/B             | 125°C                  | 35°C                 | 90°C             | 1000VRMS                                          | 200VRMS            | 3 lbs.           | 70,000 ft. | 0.200 $\pm$ 0.010               | 0.078 $\pm$ 0.008  | 26  |
|        |                                   | 0.56–100 $\mu$ H  | LT10  | 1/A             | 105°C                  | 15°C                 | "                | "                                                 | "                  | "                | "          | 5.08 $\pm$ 0.25                 | 1.98 $\pm$ 0.20    |     |
|        |                                   | 120–270 $\mu$ H   | LT10  | 1/A             | 105°C                  | 15°C                 | "                | "                                                 | "                  | "                | "          |                                 |                    |     |
| JM     | Phenolic<br>Powd. iron<br>Ferrite | 0.10–1.0 $\mu$ H  | LT4   | 1/B             | 125°C                  | 35°C                 | 90°C             | 1000VRMS                                          | 300VRMS            | 5 lbs.           | 70,000 ft. | 0.250 $\pm$ 0.010               | 0.095 $\pm$ 0.010  | 24  |
|        |                                   | 1.2–27 $\mu$ H    | LT10  | 1/A             | 105°C                  | 15°C                 | "                | "                                                 | 200VRMS            | "                | "          | 6.350 $\pm$ 0.25                | 2.413 $m \pm$ 0.25 |     |
|        |                                   | 33–1000 $\mu$ H   | LT10  | 1/A             | 105°C                  | 15°C                 | "                | "                                                 | 200VRMS            | "                | "          |                                 |                    |     |

### STOCK PART NUMBERS

| Part<br>number | Inductance**<br>( $\mu$ H) | Q min. | Test frequency<br>(L & Q, MHz) | SRF min.<br>(MHz) | DCR max.<br>( $\Omega$ ) | Rated DC<br>current (mA) | Part<br>number | MS part<br>designation* | Inductance**<br>( $\mu$ H) | Q min. | Test frequency<br>(L & Q, MHz) | SRF min.<br>(MHz) | DCR max.<br>( $\Omega$ ) | Rated DC cur-<br>rent (mA) | Part<br>number | MS part des-<br>ignation* | Inductance**<br>( $\mu$ H) | Q min. | Test frequency<br>(L & Q, MHz) | SRF min.<br>(MHz) | DCR max.<br>( $\Omega$ ) | Rated DC cur-<br>rent (mA) |
|----------------|----------------------------|--------|--------------------------------|-------------------|--------------------------|--------------------------|----------------|-------------------------|----------------------------|--------|--------------------------------|-------------------|--------------------------|----------------------------|----------------|---------------------------|----------------------------|--------|--------------------------------|-------------------|--------------------------|----------------------------|
| HM100K         | 0.10                       | 35     | 25                             | 680               | .13                      | 895                      | 7508           |                         |                            |        |                                |                   |                          | JM102K                     | 7508           | 4-12                      | 10.                        | 55     | 7.9                            | 50                | 3.70                     | 130                        |
| HM120K         | 0.12                       | 35     | 25                             | 650               | .15                      | 835                      | JM100K         | -3-1                    | 0.10                       | 40     | 25                             | 680               | 0.08                     | 1350                       | JM112J         | -4-12                     | 11.                        | 45     | 2.5                            | 45                | 2.60                     | 156                        |
| HM150K         | 0.15                       | 35     | 25                             | 560               | .18                      | 760                      | JM110J         |                         | 0.11                       | 40     | 25                             | 660               | 0.085                    | 1309                       | JM122K         | -4-13                     | 12.                        | 45     | 2.5                            | 40                | 2.70                     | 155                        |
| HM180K         | 0.18                       | 35     | 25                             | 540               | .21                      | 705                      | JM120K         | -3-2                    | 0.12                       | 40     | 25                             | 640               | 0.09                     | 1270                       | JM132J         |                           | 13.                        | 45     | 2.5                            | 38                | 2.80                     | 150                        |
| HM220K         | 0.22                       | 30     | 25                             | 500               | .25                      | 645                      | JM130J         |                         | 0.13                       | 38     | 25                             | 625               | 0.095                    | 1239                       | JM152K         | -4-14                     | 15.                        | 45     | 2.5                            | 35                | 2.80                     | 150                        |
| HM270K         | 0.27                       | 30     | 25                             | 440               | .38                      | 525                      | JM150K         | -3-3                    | 0.15                       | 38     | 25                             | 600               | 0.10                     | 1200                       | JM162J         |                           | 16.                        | 45     | 2.5                            | 33                | 2.90                     | 147                        |
| HM330K         | 0.33                       | 25     | 25                             | 410               | .49                      | 460                      | JM160J         |                         | 0.16                       | 35     | 25                             | 580               | 0.11                     | 1151                       | JM182K         | -4-15                     | 18.                        | 50     | 2.5                            | 30                | 3.10                     | 145                        |
| HM390K         | 0.39                       | 25     | 25                             | 380               | .59                      | 420                      | JM180K         | -3-4                    | 0.18                       | 35     | 25                             | 550               | 0.12                     | 1105                       | JM202J         |                           | 20.                        | 50     | 2.5                            | 27.5              | 3.20                     | 142                        |
| HM470K         | 0.47                       | 25     | 25                             | 340               | .62                      | 410                      | JM200J         |                         | 0.20                       | 33     | 25                             | 530               | 0.13                     | 1059                       | JM222K         | -4-16                     | 22.                        | 50     | 2.5                            | 25                | 3.30                     | 140                        |
| HM560K         | 0.56                       | 40     | 25                             | 250               | .18                      | 510                      | JM220K         | -3-5                    | 0.22                       | 33     | 25                             | 510               | 0.14                     | 1025                       | JM242J         |                           | 24.                        | 50     | 2.5                            | 23                | 3.40                     | 137                        |
| HM680K         | 0.68                       | 40     | 25                             | 215               | .20                      | 485                      | JM240J         |                         | 0.24                       | 33     | 25                             | 475               | 0.15                     | 986                        | JM272K         | -4-17                     | 27.                        | 50     | 2.5                            | 20                | 3.50                     | 135                        |
| HM820K         | 0.82                       | 40     | 25                             | 200               | .22                      | 465                      | JM270K         | -3-6                    | 0.27                       | 33     | 25                             | 430               | 0.16                     | 960                        | JM302J         |                           | 30.                        | 45     | 2.5                            | 22                | 3.30                     | 132                        |
| HM101K         | 1.00                       | 40     | 25                             | 190               | .25                      | 435                      | JM300J         |                         | 0.30                       | 30     | 25                             | 420               | 0.19                     | 876                        | JM332K         | -5-1                      | 33.                        | 45     | 2.5                            | 24                | 3.40                     | 130                        |
| HM121K         | 1.2                        | 35     | 7.9                            | 170               | .28                      | 410                      | JM330K         | -3-7                    | 0.33                       | 30     | 25                             | 410               | 0.22                     | 815                        | JM362J         |                           | 36.                        | 45     | 2.5                            | 23                | 3.50                     | 127                        |
| HM151K         | 1.5                        | 40     | 7.9                            | 150               | .49                      | 310                      | JM360J         |                         | 0.36                       | 30     | 25                             | 385               | 0.26                     | 749                        | JM392K         | -5-2                      | 39.                        | 45     | 2.5                            | 22                | 3.60                     | 125                        |
| HM181K         | 1.8                        | 40     | 7.9                            | 135               | .56                      | 290                      | JM390K         | -3-8                    | 0.39                       | 30     | 25                             | 365               | 0.30                     | 700                        | JM432J         |                           | 43.                        | 45     | 2.5                            | 21                | 4.10                     | 116                        |
| HM221K         | 2.2                        | 45     | 7.9                            | 130               | .72                      | 257                      | JM430J         |                         | 0.43                       | 30     | 25                             | 345               | 0.325                    | 670                        | JM472K         | -5-3                      | 47.                        | 45     | 2.5                            | 20                | 4.50                     | 110                        |
| HM271K         | 2.7                        | 45     | 7.9                            | 110               | .85                      | 236                      | JM470K         | -3-9                    | 0.47                       | 30     | 25                             | 330               | 0.35                     | 650                        | JM512J         |                           | 51.                        | 45     | 2.5                            | 19                | 5.00                     | 105                        |
| HM331K         | 3.3                        | 45     | 7.9                            | 100               | 1.2                      | 198                      | JM510J         |                         | 0.51                       | 30     | 25                             | 310               | 0.42                     | 589                        | JM562K         | -5-4                      | 56.                        | 45     | 2.5                            | 18                | 5.70                     | 100                        |
| HM391K         | 3.9                        | 50     | 7.9                            | 95                | 1.5                      | 178                      | JM560K         | -3-10                   | 0.56                       | 30     | 25                             | 300               | 0.50                     | 545                        | JM622J         |                           | 62.                        | 50     | 2.5                            | 16.5              | 6.20                     | 94                         |
| HM471K         | 4.7                        | 55     | 7.9                            | 88                | 2.1                      | 150                      | JM620J         |                         | 0.62                       | 28     | 25                             | 290               | 0.55                     | 515                        | JM682K         | -5-5                      | 68.                        | 50     | 2.5                            | 15                | 6.70                     | 92                         |
| HM561K         | 5.6                        | 55     | 7.9                            | 78                | 2.8                      | 130                      | JM680K         | -3-11                   | 0.68                       | 28     | 25                             | 275               | 0.60                     | 495                        | JM752J         |                           | 75.                        | 50     | 2.5                            | 14.5              | 7.0                      | 89                         |
| HM681K         | 6.8                        | 55     | 7.9                            | 69                | 3.2                      | 122                      | JM750J         |                         | 0.75                       | 28     | 25                             | 265               | 0.71                     | 453                        | JM822K         | -5-6                      | 82.                        | 50     | 2.5                            | 14                | 7.3                      | 88                         |
| HM821K         | 8.2                        | 45     | 7.9                            | 52                | 4.4                      | 104                      | JM820K         | -3-12                   | 0.82                       | 28     | 25                             | 250               | 0.85                     | 415                        | JM912J         |                           | 91.                        | 50     | 2.5                            | 13.5              | 7.7                      | 85                         |
| HM102K         | 10.0                       | 45     | 7.9                            | 47                | 5.2                      | 95                       | JM910J         |                         | 0.91                       | 25     | 25                             | 240               | 0.925                    | 397                        | JM103K         | -5-7                      | 100.                       | 50     | 2.5                            | 13                | 8.0                      | 84                         |
| HM122K         | 12.0                       | 40     | 2.5                            | 31                | 3.0                      | 126                      | JM101K         | -3-13                   | 1.00                       | 25     | 25                             | 230               | 1.00                     | 385                        | JM113J         |                           | 110.                       | 30     | 0.79                           | 12.5              | 11.0                     | 71                         |
| HM152K         | 15.0                       | 40     | 2.5                            | 26                | 3.4                      | 118                      | JM111J         |                         | 1.1                        | 25     | 7.9                            | 165               | 0.17                     | 607                        | JM123K         | -5-8                      | 120.                       | 30     | 0.79                           | 12                | 13                       | 66                         |
| HM182K         | 18.0                       | 40     | 2.5                            | 23                | 3.8                      | 112                      | JM121K         | -4-1                    | 1.2                        | 25     | 7.9                            | 150               | 0.18                     | 590                        | JM133J         |                           | 130.                       | 30     | 0.79                           | 11.5              | 14                       | 63                         |
| HM222K         | 22.                        | 45     | 2.5                            | 20                | 4.3                      | 105                      | JM131J         |                         | 1.3                        | 28     | 7.9                            | 145               | 0.20                     | 560                        | JM153K         | -5-9                      | 150.                       | 30     | 0.79                           | 11                | 15                       | 61                         |
| HM272K         | 27.                        | 45     | 2.5                            | 17                | 4.7                      | 100                      | JM151K         | -4-2                    | 1.5                        | 28     | 7.9                            | 140               | 0.22                     | 535                        | JM163J         |                           | 160.                       | 30     | 0.79                           | 10.5              | 16                       | 59                         |
| HM332K         | 33.                        | 45     | 2.5                            | 15                | 5.2                      | 95                       | JM161J         |                         | 1.6                        | 30     | 7.9                            | 135               | 0.25                     | 501                        | JM183K         | -5-10                     | 180.                       | 30     | 0.79                           | 10                | 17                       | 57                         |
| HM392K         | 39.                        | 45     | 2.5                            | 13.5              | 6.8                      | 83.5                     | JM181K         | -4-3                    | 1.8                        | 30     | 7.9                            | 125               | 0.30                     | 455                        | JM203J         |                           | 200.                       | 30     | 0.79                           | 9.5               | 19                       | 54                         |
| HM472K         | 47.                        | 45     | 2.5                            | 12.5              | 8.2                      | 76                       | JM201J         |                         | 2.0                        | 30     | 7.9                            | 120               | 0.35                     | 425                        | JM223K         | -5-11                     | 220.                       | 30     | 0.79                           | 9                 | 21                       | 52                         |
| HM562K         | 56.                        | 45     | 2.5                            | 11.5              | 10.0                     | 69                       | JM221K         | -4-4                    | 2.2                        | 30     | 7.9                            | 115               | 0.40                     | 395                        | JM243J         |                           | 240.                       | 30     | 0.79                           | 8.5               | 23                       | 49                         |
| HM682K         | 68.                        | 45     | 2.5                            | 10.5              | 11.5                     | 64                       | JM241J         |                         | 2.4                        | 37     | 7.9                            | 109               | 0.46                     | 380                        | JM273K         | -5-12                     | 270.                       | 30     | 0.79                           | 8                 | 25                       | 47                         |
| HM822K         | 82.                        | 45     | 2.5                            | 10.0              | 16.0                     | 54.5                     | JM271K         | -4-5                    | 2.7                        | 37     | 7.9                            | 100               | 0.55                     | 355                        | JM303J         |                           | 300.                       | 30     | 0.79                           | 7.5               | 27                       | 46                         |
| HM103K         | 100.                       | 45     | 2.5                            | 9.5               | 17.5                     | 52                       | JM301J         |                         | 3.0                        | 45     | 7.9                            | 95                | 0.70                     | 299                        | JM333K         | -5-13                     | 330.                       | 30     | 0.79                           | 7                 | 28                       | 45                         |
| HM123K         | 120.                       | 35     | .79                            | 8.9               | 16.0                     | 54.5                     | JM331K         | -4-6                    | 3.3                        | 45     | 7.9                            | 90                | 0.85                     | 270                        | JM363J         |                           | 360.                       | 30     | 0.79                           | 6.75              | 32                       | 41                         |
| HM153K         | 150.                       | 35     | .79                            | 7.9               | 18.0                     | 51                       | JM361J         |                         | 3.6                        | 45     | 7.9                            | 85                | 0.925                    | 260                        | JM393K         | -5-14                     | 390.                       | 30     | 0.79                           | 6.5               | 35                       | 40                         |
| HM183K         | 180.                       | 35     | .79                            | 7.5               | 20.0                     | 49                       | JM391K         | -4-7                    | 3.9                        | 45     | 7.9                            | 80                | 1.00                     | 250                        | JM433J         |                           | 430.                       | 30     | 0.79                           | 6.25              | 39                       | 37                         |
| HM223K         | 220.                       | 35     | .79                            | 7.1               | 26.5                     | 42.5                     | JM431J         |                         | 4.3                        | 45     | 7.9                            | 77                | 1.10                     | 240                        | JM473K         | -1-15                     | 470.                       | 30     | 0.79                           | 6                 | 42                       | 36                         |
| HM273K         | 270                        | 35     | .79                            | 6.6               | 30.5                     | 39                       | JM471K         | -4-8                    | 4.7                        | 45     | 7.9                            | 75                | 1.20                     | 230                        | JM513J         |                           | 510.                       | 30     | 0.79                           | 5.5               | 44                       | 35                         |
|                |                            |        |                                |                   |                          |                          | JM511J         |                         | 5.1                        | 50     | 7.9                            | 69                | 1.47                     | 216                        | JM563K         | -5-16                     | 560.                       | 30     | 0.79                           | 5                 | 46                       | 35                         |
|                |                            |        |                                |                   |                          |                          | JM561K         | -4-9                    | 5.6                        | 50     | 7.9                            | 65                | 1.80                     | 185                        | JM623J         |                           | 620.                       | 30     | 0.79                           | 4.6               | 53                       | 32                         |
|                |                            |        |                                |                   |                          |                          | JM621J         |                         | 6.2                        | 50     | 7.9                            | 62                | 1.90                     | 180                        | JM683K         | -5-17                     | 680.                       | 30     | 0.79                           | 4                 | 60                       | 30                         |
|                |                            |        |                                |                   |                          |                          | JM681K         | -4-10                   | 6.8                        | 50     | 7.9                            | 60                | 2.0                      | 180                        | JM753J         |                           | 750.                       | 30     | 0.79                           | 4                 | 63                       | 29                         |
|                |                            |        |                                |                   |                          |                          | JM751J         |                         | 7.5                        | 50     | 7.9                            | 57                | 2.35                     | 165                        | JM823K         | -5-18                     | 820.                       | 30     | 0.79                           | 3.8               | 65                       | 29                         |
|                |                            |        |                                |                   |                          |                          | JM821K         | -4-11                   | 8.2                        | 55     | 7.9                            | 55                | 2.70                     | 155                        | JM913J         |                           | 910.                       | 30     | 0.79                           | 3.6               | 69                       | 28                         |
|                |                            |        |                                |                   |                          |                          | JM911J         |                         | 9.1                        | 55     | 7.9                            | 52                | 3.00                     | 145                        | JM104K         | -5-19                     | 1000.                      | 30     | 0.79                           | 3.4               | 72                       | 28                         |

\* For example, the MS designation for JM100K is 75083-1

\*\* Letter suffix on part number denotes tolerance: J=5%, K=10%