

# R.F. CHOKES (1537-1538 Series)

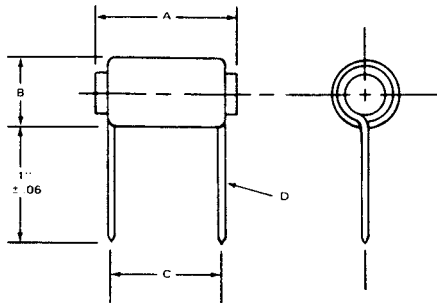
## HIGH CURRENT CHOKES

- Large ferrite core for extended saturation point, optimum frequency range .01-2 Mhz.
- 1.5" long leads (+/- 0.1")
- Test frequency 1 Khz.
- Core length 1.25". Coil is covered with vinyl shrink sleeve.

Chokes



| Part No. | Inductance<br>+/- 5% uH | Min. Q | D.C.<br>Resistance<br>Ohms | Max. D.C.<br>Current<br>Amps | Coil Dia.<br>In. | Lead Dia.<br>Gauge |
|----------|-------------------------|--------|----------------------------|------------------------------|------------------|--------------------|
| 1537E    | 10                      | 4.5    | 0.006                      | 20                           | 0.63             | 14                 |
| 1537F    | 20                      | 6.5    | 0.013                      | 12.5                         | 0.60             | 16                 |
| 1537G    | 30                      | 5.3    | 0.024                      | 8                            | 0.58             | 18                 |
| 1537H    | 40                      | 5.2    | 0.039                      | 5                            | 0.57             | 20                 |
| 1537J    | 50                      | 3.4    | 0.064                      | 3.2                          | 0.56             | 20                 |
| 1537K    | 75                      | 3.2    | 0.128                      | 2                            | 0.54             | 20                 |
| 1537L    | 100                     | 10.5   | 0.05                       | 8                            | 0.71             | 18                 |
| 1537M    | 250                     | 12.0   | 0.114                      | 5                            | 0.69             | 18                 |
| 1537N    | 500                     | 11.6   | 0.26                       | 3.2                          | 0.65             | 20                 |
| 1537P    | 750                     | 10.0   | 0.465                      | 2                            | 0.61             | 20                 |
| 1537R    | 1000                    | 7.4    | 0.83                       | 1.25                         | 0.59             | 20                 |



## EMI/RFI CHOKES

- High saturation flux density ferrite rods.
- 1" long leads, tinned to within 1/8" of body.
- Ideal for filtering or energy storage inductors.
- Inductance measured at @ 1Khz. with 0 amps. D.C. current, typical inductance change is less than 5% @ twice rated current.



| Part No. | Inductance L<br>uH +/- 10% | Fo<br>Min.<br>MHz | R - D.C.<br>Max.<br>Ohms | I - D.C.<br>Max.<br>Amps | Max.<br>Dim. A | Max.<br>Dim. B | Typ.<br>Dim. C | Typ.<br>Dim. D |
|----------|----------------------------|-------------------|--------------------------|--------------------------|----------------|----------------|----------------|----------------|
| 1538M01  | 5                          | 32.4              | 0.013                    | 10                       | 0.88           | 0.63           | 0.50           | 0.042          |
| 1538M02  | 10                         | 21.6              | 0.017                    | 9                        | 1.12           | 0.63           | 0.69           | 0.042          |
| 1538M03  | 27                         | 5.6               | 0.03                     | 7                        | 0.88           | 0.81           | 0.44           | 0.042          |
| 1538M04  | 50                         | 3.44              | 0.04                     | 5.6                      | 0.88           | 0.81           | 0.75           | 0.042          |
| 1538M05  | 100                        | 2.08              | 0.061                    | 4.9                      | 1.12           | 0.81           | 0.94           | 0.042          |
| 1538M06  | 150                        | 1.84              | 0.069                    | 4.6                      | 1.38           | 0.81           | 1.06           | 0.042          |
| 1538M07  | 250                        | 1.1               | 0.089                    | 4                        | 1.62           | 0.81           | 1.31           | 0.042          |
| 1538M08  | 5                          | 27.2              | 0.009                    | 14                       | 0.88           | 0.64           | 0.75           | 0.053          |
| 1538M09  | 10                         | 21.7              | 0.012                    | 12                       | 1.12           | 0.64           | 1.00           | 0.053          |
| 1538M10  | 27                         | 5.6               | 0.022                    | 9                        | 0.88           | 0.88           | 0.56           | 0.053          |
| 1538M11  | 50                         | 4.4               | 0.028                    | 8                        | 1.12           | 0.88           | 0.75           | 0.053          |
| 1538M12  | 68                         | 3.6               | 0.034                    | 7.3                      | 1.12           | 0.88           | 0.88           | 0.053          |
| 1538M13  | 100                        | 2.4               | 0.038                    | 6.8                      | 1.38           | 0.88           | 1.00           | 0.053          |
| 1538M14  | 150                        | 1.6               | 0.046                    | 6.3                      | 1.62           | 0.88           | 1.25           | 0.053          |
| 1538M15  | 5                          | 34.7              | 0.006                    | 19                       | 1.12           | 0.69           | 0.81           | 0.065          |
| 1538M16  | 10                         | 20                | 0.008                    | 16                       | 1.38           | 0.94           | 1.22           | 0.065          |
| 1538M17  | 27                         | 6.2               | 0.014                    | 12.5                     | 1.12           | 0.94           | 0.69           | 0.065          |
| 1538M18  | 50                         | 3.8               | 0.02                     | 10.5                     | 1.38           | 0.94           | 0.94           | 0.065          |
| 1538M19  | 68                         | 3.2               | 0.023                    | 10                       | 1.38           | 0.94           | 1.12           | 0.065          |
| 1538M20  | 100                        | 2.2               | 0.027                    | 10                       | 1.62           | 0.94           | 1.31           | 0.065          |
| 1538M21  | 5                          | 30.8              | 0.004                    | 23                       | 1.38           | 0.72           | 0.94           | 0.082          |
| 1538M22  | 10                         | 20                | 0.006                    | 20                       | 1.69           | 0.72           | 1.50           | 0.082          |
| 1538M23  | 27                         | 6.4               | 0.010                    | 15                       | 1.38           | 1.00           | 0.94           | 0.082          |
| 1538M24  | 50                         | 3.5               | 0.013                    | 15                       | 1.62           | 1.00           | 1.12           | 0.082          |



### CANADA

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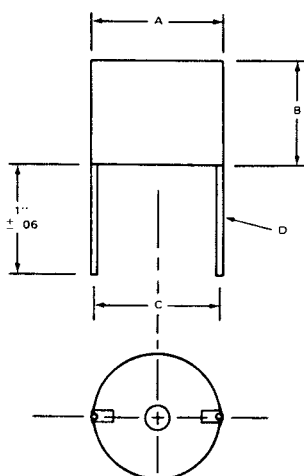


### EUROPE

Basingstoke, UK 01256 812812

### AUSTRALIA

Queenstown, Australia 61-8-8240-2244



## EMI/RFI CHOKES

- High saturation flux density ferrite bobbins.
- 1" long leads, tinned to within 1/8" of body.
- Ideal for filtering or energy storage inductors.
- Inductance measured at @ 1Khz. with 0 amps. D.C. current, typical inductance change is less than 5% @ twice rated current.

| Part No. | Inductance L<br>uH +/- 10% | Fo<br>Min.<br>MHz | R - D.C.<br>Max.<br>Ohms | I - D.C.<br>Max.<br>Amps | Max.<br>Dim. A | Max.<br>Dim. B | Typ.<br>Dim. C | Typ.<br>Dim. D |
|----------|----------------------------|-------------------|--------------------------|--------------------------|----------------|----------------|----------------|----------------|
| 1539M01  | 5                          | 24.7              | 0.007                    | 15                       | 0.83           | 0.91           | 0.59           | 0.065          |
| 1539M02  | 10                         | 11.4              | 0.008                    | 14                       | 0.83           | 0.91           | 0.60           | 0.065          |
| 1539M03  | 25                         | 6.2               | 0.023                    | 8                        | 0.83           | 0.91           | 0.57           | 0.042          |
| 1539M04  | 50                         | 4.1               | 0.034                    | 6.6                      | 0.83           | 0.91           | 0.65           | 0.042          |
| 1539M05  | 100                        | 2.4               | 0.072                    | 4.5                      | 0.83           | 0.91           | 0.69           | 0.042          |
| 1539M06  | 250                        | 1.6               | 0.173                    | 2.9                      | 0.83           | 0.91           | 0.65           | 0.042          |
| 1539M07  | 500                        | 1                 | 0.378                    | 2                        | 0.83           | 0.91           | 0.68           | 0.042          |
| 1539M08  | 1000                       | 0.7               | 0.801                    | 1.3                      | 0.83           | 0.91           | 0.66           | 0.042          |
| 1539M09  | 2500                       | 0.43              | 2.04                     | 0.85                     | 0.83           | 0.91           | 0.71           | 0.042          |
| 1539M10  | 5                          | 26.7              | 0.005                    | 20                       | 1.22           | 1.11           | 0.94           | 0.082          |
| 1539M11  | 10                         | 15.6              | 0.006                    | 17                       | 1.22           | 1.11           | 0.95           | 0.082          |
| 1539M12  | 25                         | 5.2               | 0.009                    | 14                       | 1.22           | 1.11           | 0.93           | 0.082          |
| 1539M13  | 50                         | 3.6               | 0.017                    | 10                       | 1.22           | 1.11           | 0.99           | 0.065          |
| 1539M14  | 100                        | 2.2               | 0.034                    | 7                        | 1.22           | 1.11           | 0.85           | 0.053          |
| 1539M15  | 250                        | 1.2               | 0.083                    | 4.6                      | 1.22           | 1.11           | 0.97           | 0.053          |
| 1539M16  | 500                        | 0.89              | 0.129                    | 3.7                      | 1.22           | 1.11           | 1.12           | 0.053          |
| 1539M17  | 1000                       | 0.58              | 0.279                    | 2.5                      | 1.22           | 1.11           | 1.05           | 0.053          |
| 1539M18  | 2500                       | 0.35              | 0.69                     | 1.6                      | 1.22           | 1.11           | 1.05           | 0.053          |
| 1539M19  | 50                         | 3.4               | 0.012                    | 14                       | 1.50           | 1.11           | 1.23           | 0.082          |
| 1539M20  | 100                        | 2                 | 0.025                    | 9.8                      | 1.50           | 1.11           | 1.12           | 0.065          |
| 1539M21  | 250                        | 1.3               | 0.059                    | 6.4                      | 1.50           | 1.11           | 1.10           | 0.053          |
| 1539M22  | 500                        | 0.9               | 0.09                     | 5                        | 1.50           | 1.11           | 1.14           | 0.053          |
| 1539M23  | 1000                       | 0.54              | 0.195                    | 3.5                      | 1.50           | 1.11           | 1.36           | 0.053          |
| 1539M24  | 2500                       | 0.34              | 0.499                    | 2.2                      | 1.50           | 1.11           | 1.32           | 0.053          |
| 1539M25  | 5000                       | 0.24              | 1.08                     | 1.5                      | 1.50           | 1.11           | 1.27           | 0.053          |
| 1539M26  | 100                        | 1.8               | 0.018                    | 14                       | 1.50           | 1.50           | 1.18           | 0.082          |
| 1539M27  | 250                        | 1                 | 0.040                    | 9                        | 1.50           | 1.50           | 1.12           | 0.065          |
| 1539M28  | 500                        | 0.7               | 0.085                    | 6.5                      | 1.50           | 1.50           | 1.06           | 0.053          |
| 1539M29  | 1000                       | 0.44              | 0.183                    | 4.4                      | 1.50           | 1.50           | 1.23           | 0.053          |
| 1539M30  | 2500                       | 0.26              | 0.464                    | 2.8                      | 1.50           | 1.50           | 1.21           | 0.053          |
| 1539M31  | 5000                       | 0.19              | 0.714                    | 2.2                      | 1.50           | 1.50           | 1.32           | 0.053          |
| 1539M32  | 10000                      | 0.13              | 1.55                     | 1.5                      | 1.50           | 1.50           | 1.25           | 0.053          |

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