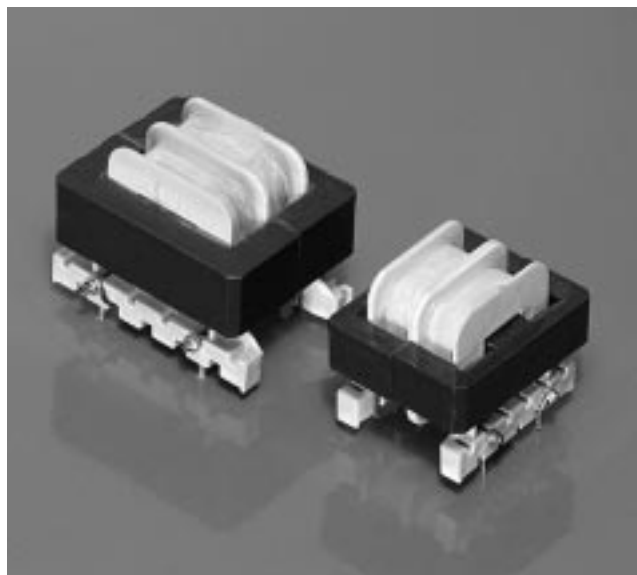


# Common Mode Line Chokes High Inductance Series

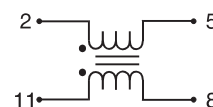
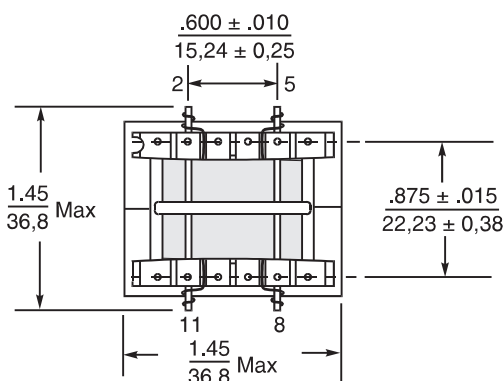
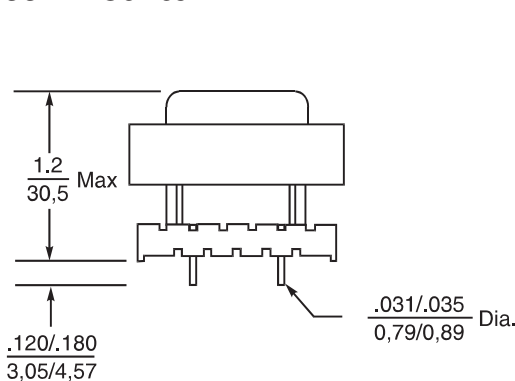


These common mode line chokes provide the best available combination of low cost and high inductance. Coilcraft EE style common mode line chokes are available in two series, each with a variety of current ratings, sizes and inductance values. The Coilcraft bobbin design provides a creepage and clearance spacer that makes these parts compatible with UL, VDE, and IEC specifications.

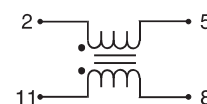
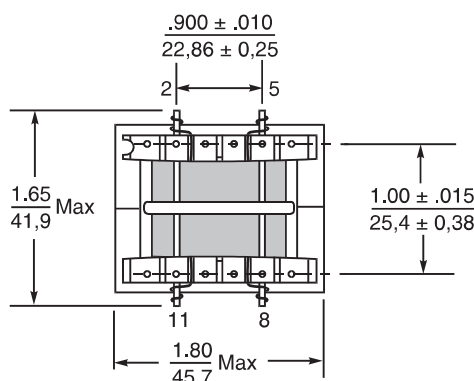
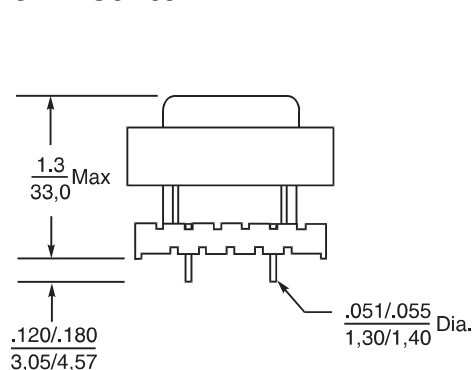
Coilcraft **Designer's Kit No. P202** contains samples of 8 standard EE and toroidal common mode line chokes. To order, please contact Coilcraft.

- VDE, IEC, CSA compatible
- Cost effective design
- 3750 Vrms isolation between windings

## F55XX Series



## H70XX Series



*Coilcraft*

Specifications subject to change without notice. Document 142-1 Revised 7/9/97

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# Common Mode Line Chokes—High Inductance Series

## F55XX Series

| Part Number    | Inductance <sup>1</sup><br>(mH) | Current<br>(Amps) | SRF <sup>2</sup><br>(kHz) | DCR <sup>3</sup><br>(Ohms) |
|----------------|---------------------------------|-------------------|---------------------------|----------------------------|
| F5585-A        | 82                              | $\frac{1}{2}$     | 65                        | 3.1                        |
| F5586-A        | 34                              | $\frac{3}{4}$     | 100                       | 1.3                        |
| F5587-A        | 24                              | 1                 | 129                       | .86                        |
| F5588-A        | 15                              | $1\frac{1}{4}$    | 170                       | .54                        |
| F5589-A        | 7.5                             | $1\frac{1}{2}$    | 206                       | .30                        |
| F5590-A        | 6.0                             | 2                 | 230                       | .22                        |
| F5591-A        | 3.3                             | $2\frac{1}{2}$    | 309                       | .12                        |
| <b>F5592-A</b> | <b>1.6</b>                      | <b>3</b>          | <b>420</b>                | <b>.07</b>                 |
| <b>F5593-A</b> | <b>1.1</b>                      | <b>4</b>          | <b>560</b>                | <b>.04</b>                 |

Parts in bold type are included in Coilcraft Designer's Kit No. P202.

## H70XX Series

| Part Number | Inductance <sup>1</sup><br>(mH) | Current<br>(Amps) | SRF <sup>2</sup><br>(kHz) | DCR <sup>3</sup><br>(Ohms) |
|-------------|---------------------------------|-------------------|---------------------------|----------------------------|
| H7010-A     | 56                              | 1                 | 62                        | 1.1                        |
| H7011-A     | 34                              | $1\frac{1}{4}$    | 96                        | .72                        |
| H7012-A     | 23                              | $1\frac{1}{2}$    | 104                       | .47                        |
| H7013-A     | 20                              | 2                 | 128                       | .35                        |
| H7014-A     | 7.3                             | $2\frac{1}{2}$    | 190                       | .16                        |
| H7015-A     | 5.3                             | 3                 | 220                       | .12                        |
| H7016-A     | 4.0                             | 4                 | 275                       | .08                        |
| H7017-A     | 2.0                             | 5                 | 370                       | .05                        |
| H7018-A     | .95                             | 6                 | 556                       | .03                        |
| H7019-A     | .75                             | 8                 | 640                       | .02                        |

- Notes:**
1. Inductance is minimum per winding, tested at .1 Vrms, 20 kHz.
  2. SRF is minimum for each winding.
  3. DCR is maximum per winding.
  4. Operating temperature range -40° C to +85° C.
  5. Electrical specifications at 25° C.



Specifications subject to change without notice. Document 142-2 Revised 9/14/00

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