# COMMON MODE CHOKES FOR TELECOM APPLICATIONS

- **DESIGNED FOR 4-WIRE LINKS, SUCH AS ISDN-S/T AND T1 / E1 / CEPT**
- **HIGH FREQUENCY CHOKES FOR EMI REDUCTION**
- **LOW FREQUENCY CHOKES IMPROVE LONGITUDINAL BALANCE IN ISDN-S/T LINKS**
- **SURFACE MOUNT MODELS AVAILABLE**
- **CUSTOM VARIATIONS WELCOME**

## ELECTRICAL SPECIFICATIONS @ 25° C

| Part Number | OCL | $L_L$ sec (µH MAX) | Cw/w (pF MAX) | DCR (W MAX) | Isolation (Vrms MIN) |
|---|---|---|---|---|---|
| Low Frequency | | | | | |
| XF0063-01 | 6.0 mH MIN | 35 | 20 | 1.40 | 1,500 |
| XF0013-01 | 1.0 mH MIN | 10 | 10 | 0.70 | 1,500 |
| XF0053-01 | 4.7 mH ± 30% | 1 | 50 | 1.00 | 500 |
| High Frequency | | | | | |
| XF0246-00 | 24.0 µH MIN | .20 | 15 | 0.30 | 500 |
| XF0086-00 | 8.0 µH MIN | .20 | 10 | 0.25 | 500 |
| XF0406-00 | 18.0 µH MIN | .20 | 20 | 0.25 | 500 |

## COMMON MODE ATTENUATION (db TYPICAL, 100 OHM SYSTEM)

| FREQUENCY | 100KHz | 1.0MHz | 10.0MHz | 30.0MHz | 50.0MHz | 100.0MHz |
|---|---|---|---|---|---|---|
| Part Number | | | | | | |
| XF0063-01 | 40 | 40 | 26 | 16 | 10 | — |
| XF0013-01 | 20 | 30 | 30 | 25 | 20 | — |
| XF0053-01 | 25 | 40 | 20 | 15 | 10 | — |
| XF0246-00 | — | 5 | 20 | 20 | 20 | 20 |
| XF0086-00 | — | 5 | 15 | 20 | 15 | 15 |
| XF0406-00 | — | 25 | 20 | 20 | 20 | 20 |

**DIMENSIONS:** SEE FOLLOWING PAGE

**SCHEMATICS:** SEE FOLLOWING PAGE

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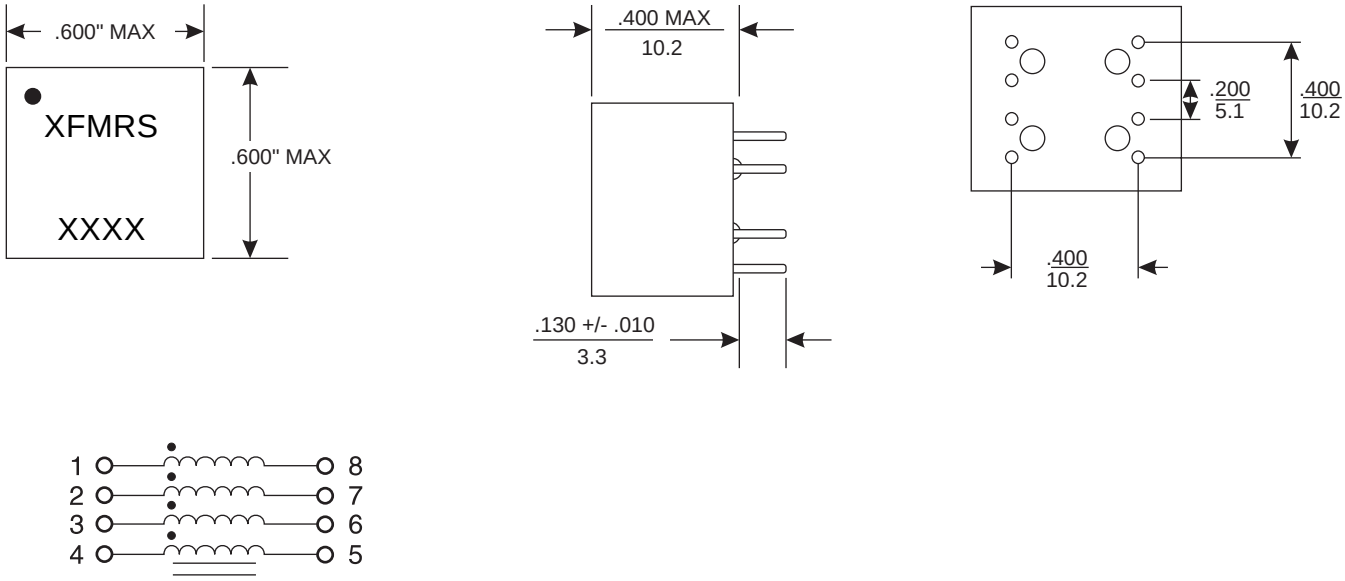
# MECHANICAL DIMENSIONS

## XF0063-01, XF0013-01, XF0053-01




## XF0246-00, XF0086-00, XF0406-00

