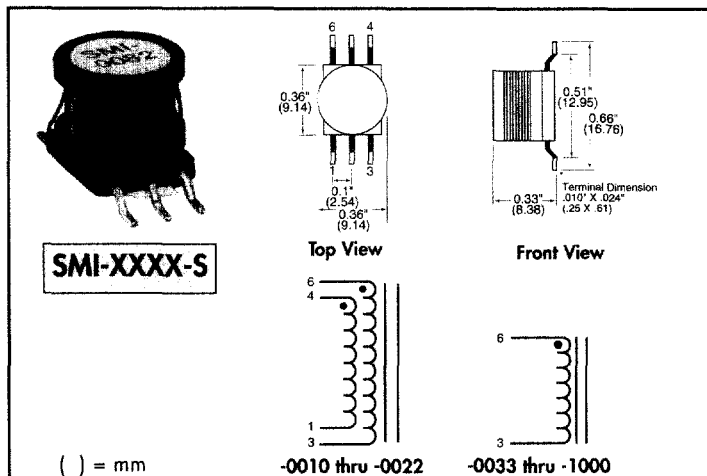


# Inductors

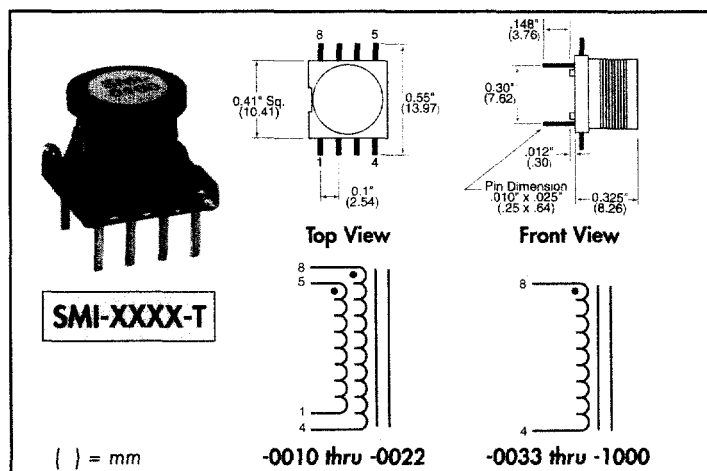
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## Economy Inductor Series for SMPS and RF Applications SMI Series Surface Mount and Through-Hole Mount

- Excellent performance in a small package
- Low above board height (.350"/8.89mm maximum)
- Wide range of inductance values
- High current ratings



-S denotes Surface Mount      -T denotes Thru-Hole Mount



| PREM<br>PART<br>NUMBER | L      | I<br>MAXIMUM | NOM.<br>DCR<br>Ω |
|------------------------|--------|--------------|------------------|
| SMI-0010               | 10uH   | 2.10A        | 0.057            |
| SMI-0015               | 15uH   | 1.74A        | 0.083            |
| SMI-0022               | 22uH   | 1.42A        | 0.123            |
| SMI-0033               | 33uH   | 1.27A        | 0.156            |
| SMI-0047               | 47uH   | 1.09A        | 0.237            |
| SMI-0056               | 56uH   | 0.95A        | 0.303            |
| SMI-0068               | 68uH   | 0.90A        | 0.342            |
| SMI-0082               | 82uH   | 0.85A        | 0.380            |
| SMI-0100               | 100uH  | 0.73A        | 0.522            |
| SMI-0150               | 150uH  | 0.60A        | 0.786            |
| SMI-0180               | 180uH  | 0.56A        | 0.885            |
| SMI-0220               | 220uH  | 0.53A        | 1.005            |
| SMI-0270               | 270uH  | 0.45A        | 1.374            |
| SMI-0330               | 330uH  | 0.42A        | 1.594            |
| SMI-0390               | 390uH  | 0.37A        | 2.041            |
| SMI-0470               | 470uH  | 0.35A        | 2.324            |
| SMI-0560               | 560uH  | 0.33A        | 2.562            |
| SMI-0680               | 680uH  | 0.28A        | 3.522            |
| SMI-0820               | 820uH  | 0.26A        | 3.954            |
| SMI-1000               | 1000uH | 0.23A        | 5.336            |

## Call 815-385-2700 for a Custom Designed CRT Display Magnetics Component for your Specific Application.

Prem Magnetics custom designs fixed linearity coils, variable linearity coils, pincushion coils, width coils, horizontal drive and oscillator coils for use in CRT display applications. Prem's engineers have vast experience in designing and manufacturing economical magnetic devices for display circuits.

- Pin Cushion Coils
- Variable Linearity Coils
- Width Coils
- Horizontal Oscillators
- Horizontal Driver Transformers
- Dynamic Linearity Coils
- Parabolic Variable Linearity Coils

**Custom designs available for your specific application.**

