

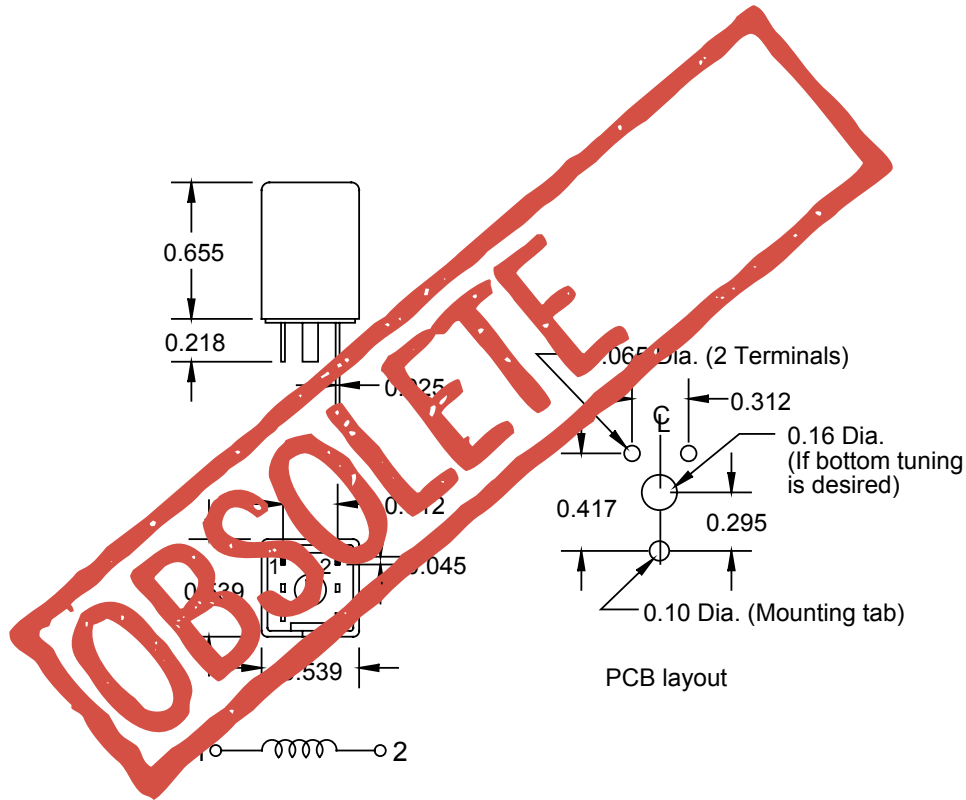
# Adjustable RF Inductors

## Special Features

- High inductance
- Wide tuning range
- Cup core construction for low radiation
- Static shielding can with grounding taps
- Min. SRF measured at max. inductance
- Operating temperature -55 to +105°C

| 9050 Series |                |           |                |           |                     |                      |                    |                   |
|-------------|----------------|-----------|----------------|-----------|---------------------|----------------------|--------------------|-------------------|
| Part Number | L (uH)<br>Min. | Q<br>Min. | L (uH)<br>Max. | Q<br>Min. | Test Freq.<br>(MHz) | SRF<br>(MHz)<br>Min. | DCR<br>(Ω)<br>Max. | I<br>(mA)<br>Max. |
| 9050        | 1.5            | 40        | 3              | 41        | 7.9                 | 39                   | 0.66               | 80                |
| 9051        | 3              | 46        | 7              | 45        | 7.9                 | 23                   | 0.85               | 125               |
| 9052        | 7              | 40        | 14             | 62        | 2.5                 | 12                   | 1.38               | 80                |
| 9053        | 14             | 48        | 28             | 66        | 2.5                 | 7.2                  | 2.1                | 80                |
| 9054        | 28             | 48        | 60             | 45        | 2.5                 | 4.9                  | 3                  | 100               |
| 9055        | 60             | 40        | 120            | 69        | 0.79                | 3.6                  | 4                  | 100               |
| 9056        | 120            | 52        | 280            | 68        | 0.79                | 2.5                  | 5.75               | 80                |
| 9057        | 280            | 52        | 650            | 62        | 0.79                | 1.7                  | 12                 | 80                |
| 9058        | 650            | 36        | 1300           | 68        | 0.25                | 1.2                  | 15                 | 100               |
| 9059        | 1300           | 43        | 3000           | 53        | 0.25                | 0.57                 | 23                 | 100               |
| 9059-1      | 1800           | 116       | 2200           | 129       | 0.25                | 1.04                 | 10                 | 141               |
| 9060        | 3000           | 32        | 10,000         | 32        | 0.079               | 0.48                 | 76                 | 30                |
| 9061        | 8000           | 35        | 20,000         | 38        | 0.079               | 0.33                 | 110                | 30                |
| 9062        | 15,000         | 25        | 40,000         | 40        | 0.079               | 0.24                 | 150                | 30                |
| 9063        | 20,000         | 36        | 60,000         | 60        | 0.079               | 0.09                 | 175                | 25                |

Also available as RoHS compliant.



Dimensions: Inches

**J.W. Miller**  
M A G N E T I C S

306 E. Alondra Blvd. Gardena, CA 90247-1059 • Phone (310) 515-1720 • FAX (310) 515-1962

[www.jwmiller.com](http://www.jwmiller.com)