



# Fair-Rite Products Corp.®

Your Signal Solution®

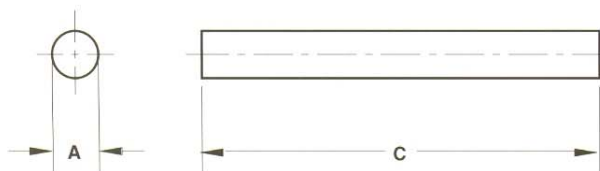


## Antenna/RFID Kit Part No. 0199000024

### Ferrite Cores for Antenna Applications & RFID Devices



These precision-ground antenna rods, available in three materials, are designed for high Q applications over a wide frequency range, which encompasses the popular RFID operating frequencies.



78 Material for up to 500 kHz  
61 Material for up to 10 MHz  
67 Material for up to 75 MHz

| Part Number | A                         | C*                       | $\mu_{\text{ROD}}$ | Wt (g) | Part Number  | A                        | C*                        | $\mu_{\text{ROD}}$ | Wt (g) |
|-------------|---------------------------|--------------------------|--------------------|--------|--------------|--------------------------|---------------------------|--------------------|--------|
| 3067990821  | <b>0.75±0.025</b><br>.030 | <b>7.5±0.15</b><br>.295  | 22                 | .02    | 3061990861   | <b>2.5±0.025</b><br>.098 | <b>20.0±0.40</b><br>.787  | 27                 | .47    |
| 3061990821  | <b>0.75±0.025</b><br>.030 | <b>7.5±0.15</b><br>.295  | 35                 | .02    | 3078990861   | <b>2.5±0.025</b><br>.098 | <b>20.0±0.40</b><br>.787  | 34                 | .47    |
| 3078990821  | <b>0.75±0.025</b><br>.030 | <b>7.5±0.15</b><br>.295  | 48                 | .02    | 3067990871   | <b>3.0±0.04</b><br>.118  | <b>25.0±0.50</b><br>.984  | 20                 | .85    |
| 3067990831  | <b>1.0±0.025</b><br>.039  | <b>10.0±0.20</b><br>.394 | 22                 | .04    | 3061990871   | <b>3.0±0.04</b><br>.118  | <b>25.0±0.50</b><br>.984  | 29                 | .85    |
| 3061990831  | <b>1.0±0.025</b><br>.039  | <b>10.0±0.20</b><br>.394 | 35                 | .04    | 3078990871   | <b>3.0±0.04</b><br>.118  | <b>25.0±0.50</b><br>.984  | 36                 | .85    |
| 3078990831  | <b>1.0±0.025</b><br>.039  | <b>10.0±0.20</b><br>.394 | 48                 | .04    | 3067990881   | <b>4.0±0.04</b><br>.157  | <b>30.0±0.60</b><br>1.181 | 18                 | 1.8    |
| 3067990841  | <b>1.5±0.025</b><br>.059  | <b>15.0±0.30</b><br>.591 | 22                 | .13    | 3061990881   | <b>4.0±0.04</b><br>.157  | <b>30.0±0.60</b><br>1.181 | 25                 | 1.8    |
| 3061990841  | <b>1.5±0.025</b><br>.059  | <b>15.0±0.30</b><br>.591 | 35                 | .13    | 3078990881   | <b>4.0±0.04</b><br>.157  | <b>30.0±0.60</b><br>1.181 | 31                 | 1.8    |
| 3078990841  | <b>1.5±0.025</b><br>.059  | <b>15.0±0.30</b><br>.591 | 48                 | .13    | 3061990891   | <b>5.0±0.04</b><br>.197  | <b>35.0±0.70</b><br>1.378 | 24                 | 3.3    |
| 3067990851  | <b>2.0±0.025</b><br>.079  | <b>15.0±0.30</b><br>.591 | 18                 | .23    | 3078990891** | <b>5.0±0.04</b><br>.197  | <b>35.0±0.70</b><br>1.378 | 29                 | 3.3    |
| 3061990851  | <b>2.0±0.025</b><br>.079  | <b>15.0±0.30</b><br>.591 | 25                 | .23    | 3078990901** | <b>6.0±0.05</b><br>.236  | <b>40.0±0.80</b><br>1.575 | 26                 | 5.4    |
| 3078990851  | <b>2.0±0.025</b><br>.079  | <b>15.0±0.30</b><br>.591 | 31                 | .23    | 3078990911** | <b>8.0±0.05</b><br>.315  | <b>45.0±0.90</b><br>1.772 | 20                 | 11     |
| 3067990861  | <b>2.5±0.025</b><br>.098  | <b>20.0±0.40</b><br>.787 | 19                 | .47    |              |                          |                           |                    |        |

Dimensions (Bold numbers are in millimeters, light numbers are nominal in inches.)

\* This dimension may be modified to suit specific applications."

\*\* Samples of rods in 61 & 67 materials are available from stock upon request.

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RFID rev2 1/02

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