

## Features

- Integrates capacitor function in one package
- RoHS compliant\*
- Design reduces termination noise
- Popular standard capacitance values available
- Compatible with wave soldering



This series is currently available but not recommended for new designs.

- Isolated, bussed and dual-bussed circuits available

## 900 Series - Capacitor Networks

### Electrical Characteristics

Capacitance Tolerance  
 39 pF - 270 pF.....±10 %  
 >270 pF - 0.1 μF.....±20 %  
 Circuit Configuration.....Isolated, bussed and dual-bussed  
 Capacitor Dielectric.....NPO, X7R  
 Capacitance Voltage Rating  
 39 pF - 270 pF..NPO - 50 V @ +25 °C  
 >270 pF - 0.047 μF  
 .....X7R - 50 V @ +25 °C

### Physical Characteristics

Lead Spacing.....0.100 " (2.54 mm)  
 Terminal Coating.....Sn/Ag/Cu-plated  
 Body Material.....Epoxy/Anhydride conformal material

### Standard High Volume Part Numbers

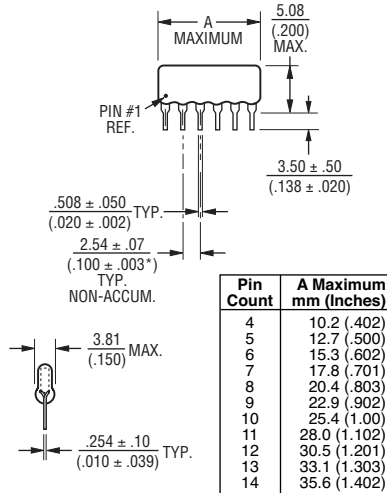
4610M-901-103LF  
 4610M-902-103LF  
 4610M-901-104LF  
 4610M-902-104LF

### How To Order

**46 10 M - 901 - 103 LF**

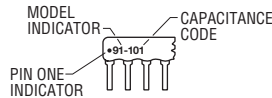
Model \_\_\_\_\_  
 (46 = SIP Pkg)  
 Number of Pins \_\_\_\_\_  
 Profile \_\_\_\_\_  
 (M = Standard Profile)  
 Electrical Configuration \_\_\_\_\_  
 • 901 = Bussed  
 • 902 = Isolated  
 • 904 = Dual-Bussed  
 Capacitance Code \_\_\_\_\_  
 • First 2 digits are significant  
 • Third digit represents the number of zeros to follow.  
 Terminations \_\_\_\_\_  
 • LF = Lead free (Sn/Ag/Cu-plated)  
 Consult factory for other available options.

### Product Dimensions

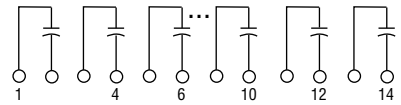


### Typical Part Marking

Represents total content. Layout may vary.

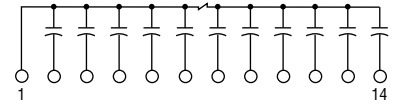


### Isolated Capacitors (902 Circuit)



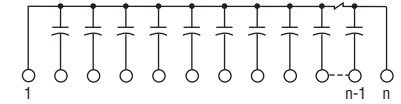
These models incorporate 2 to 7 isolated capacitors of equal value, each connected between two pins.

### Bussed Capacitors (901 Circuit)



These models incorporate 3 to 13 capacitors of equal value, each connected between a common bus (Pin 1) and a separate pin.

### Dual-Bussed Capacitors (904 Circuit)



These models incorporate 2 to 12 capacitors of equal value, each connected to a dual bus that connects Pin 1 to the last pin.

### Standard Capacitance Values and Codes

These are the standard and non-standard capacitance values available. Consult factory for capacitance values and types outside this range. Tolerances of 5 %, 10 % and 20 % are available.

| "NPO" DIELECTRICS<br>10 % Tolerance |                  | "X7R" DIELECTRICS<br>20 % Tolerance |                  | "X7R" DIELECTRICS<br>20 % Tolerance |                  |
|-------------------------------------|------------------|-------------------------------------|------------------|-------------------------------------|------------------|
| Capacitance (pF)                    | Capacitance Code | Capacitance (pF)                    | Capacitance Code | Capacitance (μF)                    | Capacitance Code |
| 39                                  | 390              | 330                                 | 331              | 0.01                                | 103              |
| 47                                  | 470              | 390                                 | 391              | 0.012                               | 123              |
| 56                                  | 560              | 470                                 | 471              | 0.015                               | 153              |
| 68                                  | 680              | 560                                 | 561              | 0.018                               | 183              |
| 82                                  | 820              | 680                                 | 681              | 0.022                               | 223              |
| 100                                 | 101              | 820                                 | 821              | 0.027                               | 273              |
| 120                                 | 121              | 1000                                | 102              | 0.033                               | 333              |
| 150                                 | 151              | 1200                                | 122              | 0.039                               | 393              |
| 180                                 | 181              | 1500                                | 152              | 0.047                               | 473              |
| 220                                 | 221              | 1800                                | 182              | 0.056                               | 563              |
| 270                                 | 271              | 2200                                | 222              | 0.068                               | 683              |
|                                     |                  | 2700                                | 272              | 0.082                               | 823              |
|                                     |                  | 3300                                | 332              | 0.1                                 | 104              |
|                                     |                  | 3900                                | 392              |                                     |                  |
|                                     |                  | 4700                                | 472              |                                     |                  |
|                                     |                  | 5600                                | 562              |                                     |                  |
|                                     |                  | 6800                                | 682              |                                     |                  |
|                                     |                  | 8200                                | 822              |                                     |                  |

REV. 12/15

Specifications are subject to change without notice. The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

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[CA064C223K5RACTU](#) [Y4C3B104K160CT](#) [CKCM25X5R1A473M](#) [CKCM25X5R0J105M](#) [CA064C221M5GACTU](#) [CA064C471M3GACTU](#)  
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[CA064C102K5RACTU](#) [W3A45A151KAT2A](#) [CKCL22JB1H102M085AA](#) [W3A41C471KAT2A](#) [CKCL22C0G1H221K085AK](#)  
[CKCM25C0G2A220K060AK](#) [CKCL22CH1H151K085AA](#) [W3A41A470JAT2A](#) [CA0612KRX7R9BB471](#) [CKCL22X7R1E473M085AK](#)  
[CKCL22X5R0J225M085AA](#) [W2A21C222KAT2A](#)