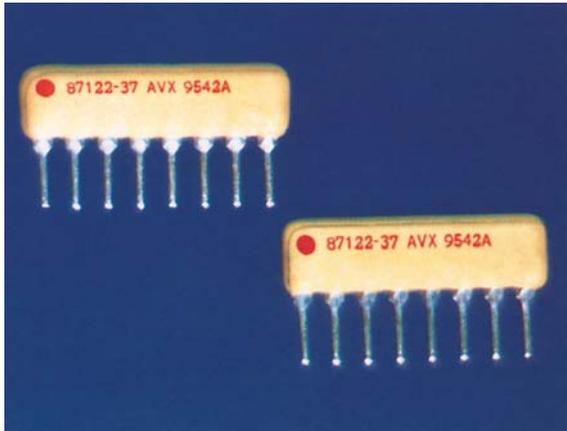


# Single-In-Line Packages (SIP)

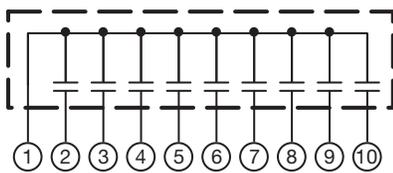
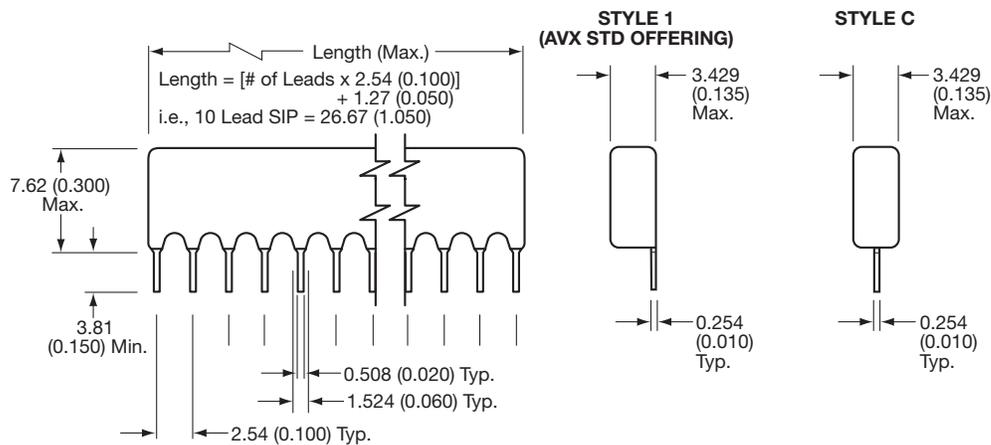


## Capacitor Arrays

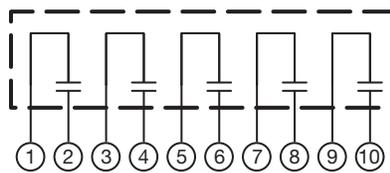


SIP-style, MLC ceramic capacitor arrays are Single-In-Line, conformally coated packages. These capacitor networks incorporate multiple capacitors into a single substrate and, therefore, offer excellent TC tracking. The utilization of SIP capacitor arrays minimizes board real estate and reduces component count in the assembly. Various circuit configurations and capacitance/voltage values are available.

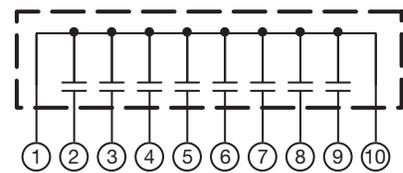
Dimensions in millimeters (inches)



**CIRCUIT CONFIGURATION "A"**  
ONE END LEAD GROUND



**CIRCUIT CONFIGURATION "B"**  
ADJACENT LEAD PAIR CAPS



**CIRCUIT CONFIGURATION "C"**  
BOTH END LEADS GROUND

# Single-In-Line Packages (SIP)



## Capacitor Arrays

### HOW TO ORDER

SP	A	1	1	A	561	K	A	A
<b>AVX Style</b>	<b>Circuit</b> See Page 93 (A, B, C)	<b>Lead Style</b> Offset = 1 Centered = C	<b>Voltage</b> 50V = 5 100V = 1	<b>Temperature Coefficient</b> C0G = A X7R = C Z5U = E	<b>Capacitance Code</b> (2 significant digits + no. of zero) 10 pF = 100 100 pF = 101 1,000 pF = 102 22,000 pF = 223 220,000 pF = 224 1 μF = 105 10 μF = 106 100 μF = 107	<b>Capacitance Tolerance</b> C0G: K = ±10% M = ±20% X7R: K = ±10% M = ±20% Z = +80%, -20% Z5U: M = ±20% Z = +80%, -20% P = GMV (+100, -0%)	<b>Test Level</b> A = Standard	<b>Number of Leads</b> 2 = 2 3 = 3 4 = 4 5 = 5 6 = 6 7 = 7 8 = 8 9 = 9 A = 10 B = 11 C = 12 D = 13 E = 14

\*For dimensions, voltages, or capacitance values not specified, please contact factory.

Maximum Capacitance*		
	50V	100V
<b>C0G</b>	2200 pF	1500 pF
<b>X7R</b>	0.10 μF	0.033 μF
<b>Z5U</b>	0.39 μF	0.10 μF

### AVX IS QUALIFIED TO THE FOLLOWING DSCC DRAWINGS

SPECIFICATION #	DESCRIPTION	CIRCUIT	LEADS	CAPACITANCE RANGE
<b>87112</b>	BX-100 VDC	A	8	1000 pF - 0.1 μF
<b>87116</b>	C0G-100 VDC	A	8	10 pF - 820 pF
<b>87119</b>	BX-100 VDC	C	10	1000 pF - 0.1 μF
<b>87120</b>	C0G-100 VDC	C	10	10 pF - 1000 pF
<b>87122</b>	BX-100 VDC	B	8	1000 pF - 0.1 μF
<b>88019</b>	BX-100 VDC	A	10	1000 pF - 0.1 μF
<b>89086</b>	C0G-100 VDC	B	8	10 pF - 820 pF

