

INCH-POUND  
 MIL-PRF-49470/3B  
14 December 2000  
 SUPERSEDING  
 MIL-PRF-49470/3A  
 11 January 2000

## PERFORMANCE SPECIFICATION SHEET

**CAPACITOR, FIXED, CERAMIC DIELECTRIC, SWITCH MODE  
POWER SUPPLY (GENERAL PURPOSE AND TEMPERATURE STABLE),  
STANDARD RELIABILITY AND HIGH RELIABILITY,  
CONFORMALLY COATED, HORIZONTALLY STACKED, STYLE PS03**

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification and MIL-PRF-49470.

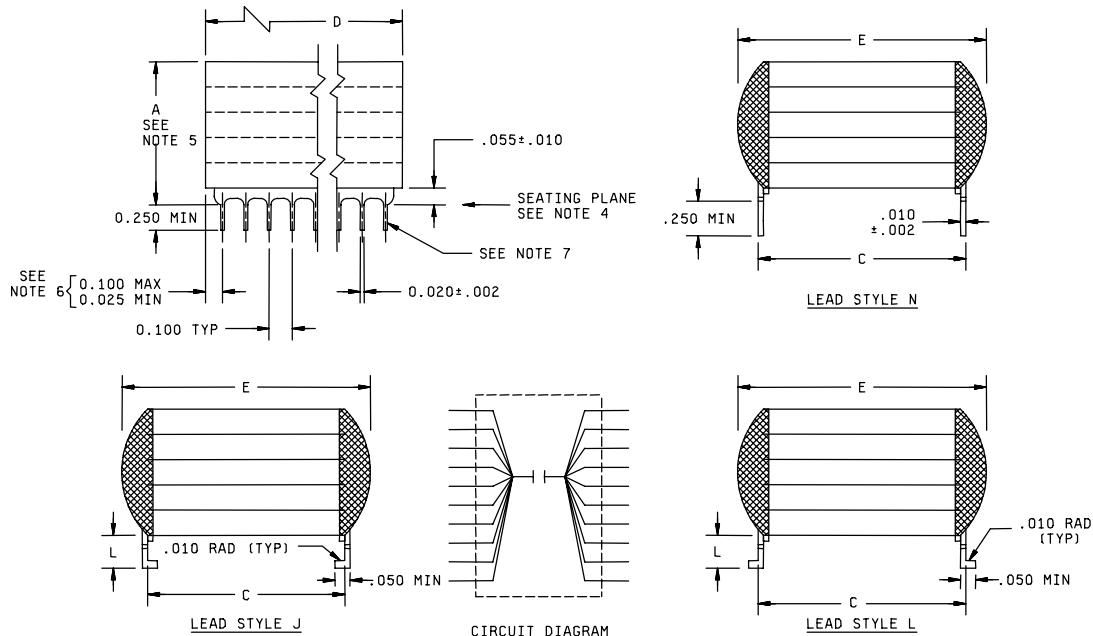


FIGURE 1. Style PS03 capacitors.

Dimensions					
Case code	C ± .025	D		E (max)	Number of leads per side
		Min	Max		
1	.450	1.950	2.075	.500	20
2	.800	1.450	1.535	.870	15
3	.450	.950	1.075	.500	10
4	.400	.350	.425	.440	4
5	.250	.224	.275	.300	3
6	1.250	1.950	2.075	1.350	20

Symbol (last digit of PIN)	Lead style	Height profile (Dimension A)	Formed lead length, L (inches)
N	N (straight)	Standard	N/A
L	L (formed)	Standard	.070 ± .010
M	L (formed)	Standard	.045 ± .010
J	J (formed)	Standard	.070 ± .010
K	J (formed)	Standard	.045 ± .010
A	N (straight)	Low	N/A
B	L (formed)	Low	.070 ± .010
D	L (formed)	Low	.045 ± .010
C	J (formed)	Low	.070 ± .010
F	J (formed)	Low	.045 ± .010

Inches	mm
.002	0.05
.010	0.25
.020	0.51
.025	0.64
.050	1.27
.055	1.40
.070	1.78
.100	2.54
.224	5.69
.250	6.35
.275	6.98
.300	7.62
.350	8.89
.400	10.16
.425	10.80
.440	11.18
.450	11.43
.500	12.70
.800	20.32
.870	22.10
.950	24.13
1.075	27.30
1.250	31.75
1.350	34.29
1.450	36.83
1.535	38.99
1.950	49.53
2.075	52.70

## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ±.010 inch (0.25 mm).
4. Lead frame configuration is shown as typical above the seating plane.
5. See table I for specific maximum A dimension. For maximum B dimension, add .065 inch (1.65 mm) to the appropriate A dimension. For all lead styles, the number of chips is determined by the capacitance and voltage rating.
6. For case code 5, dimensions shall be .100 (2.54 mm) maximum and .012 inch (0.30 mm) minimum.
7. Lead alignment within pin rows shall be within ±.005 inch (0.13 mm).

FIGURE 1. Style PS03 capacitors - Continued.

## REQUIREMENTS:

Precautionary note: Capacitors covered by this specification sheet are very susceptible to thermal shock damage due to their large ceramic mass. Temperature profiles used should provide adequate temperature rise and cool-down time to prevent damage from thermal shock.

Dimensions and configurations: See figure 1.

Case type: Conformally coated, horizontally stacked.

Capacitance: See table I.

Capacitance tolerance:  $J = \pm 5$  percent,  $K = \pm 10$  percent,  $M = \pm 20$  percent.

Operating temperature range:  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .

Voltage rating: See table I.

Dielectric types: BP, BQ, BR, and BX in accordance with MIL-PRF-49470.

Temperature coefficient:  $0 \text{ ppm}/^{\circ}\text{C} \pm 30 \text{ ppm}/^{\circ}\text{C}$  (BP),  $\pm 15$  percent (BQ, BR, BX).

Voltage-temperature limits: In accordance with MIL-PRF-49470.

Symbol	Capacitance change with reference to $+25^{\circ}\text{C}$	
	Step A through step D of voltage-temperature limit cycle table of MIL-PRF-49470	Step E through step G of voltage-temperature limit cycle table of MIL-PRF-49470
BP BQ BR BX	$0 \text{ ppm}/^{\circ}\text{C} \pm 30 \text{ ppm}/^{\circ}\text{C}$ $\pm 15$ percent $\pm 15$ percent $\pm 15$ percent	$0 \text{ ppm}/^{\circ}\text{C} \pm 30 \text{ ppm}/^{\circ}\text{C}$ $+15, -50$ percent $+15, -40$ percent $+15, -25$ percent

Marking: In accordance with MIL-PRF-49470.

Body insulation: Not applicable.

Solderability: The leads shall be solderable up to the seating plane.

TABLE I. Capacitor characteristics.

Part or Identifying Number (PIN) <u>1/</u>	Capacitance $\mu\text{F}$	Capacitance tolerance	Characteristic	Case code	Config.	Maximum A dimension inch (mm)
50 V						
-49470P03563-A-	0.056	J, K	BP	5	N, L, M, J, K	.270 (8.86)
-49470P03683-A-	0.068	J, K	BP	5	N, L, M, J, K	.390 (9.91)
-49470P03823-A-	0.082	J, K	BP	5	N, L, M, J, K	.390 (9.91)
-49470P03104-A-	0.1	J, K	BP	5	N, L, M, J, K	.390 (9.91)
-49470P03124-A-	0.12	J, K	BP	5	N, L, M, J, K	.530 (13.46)
-49470P03154-A-	0.15	J, K	BP	5	N, L, M, J, K	.530 (13.46)
-49470P03184-A-	0.18	J, K	BP	5	N, L, M, J, K	.660 (16.67)
-49470P03184-A-	0.18	J, K	BP	4	A, B, D, C, F	.390 (9.91)
-49470P03224-A-	0.22	J, K	BP	5	N, L, M, J, K	.660 (16.67)
-49470P03224-A-	0.22	J, K	BP	4	A, B, D, C, F	.390 (9.91)
-49470P03274-A-	0.27	J, K	BP	5	N, L, M, J, K	.800 (20.32)
-49470P03274-A-	0.27	J, K	BP	4	A, B, D, C, F	.390 (9.91)
-49470P03334-A-	0.33	J, K	BP	4	N, L, M, J, K	.530 (13.46)
-49470P03394-A-	0.39	J, K	BP	4	N, L, M, J, K	.660 (16.67)
-49470P03474-A-	0.47	J, K	BP	4	N, L, M, J, K	.660 (16.67)
-49470P03564-A-	0.56	J, K	BP	4	N, L, M, J, K	.800 (20.32)
-49470P03564-A-	0.56	J, K	BP	3	A, B, D, C, F	.390 (9.91)
-49470P03684-A-	0.68	J, K	BP	3	N, L, M, J, K	.390 (9.91)
-49470P03824-A-	0.82	J, K	BP	3	N, L, M, J, K	.390 (9.91)
-49470P03105-A-	1	J, K	BP	3	N, L, M, J, K	.530 (13.46)
-49470X03105-A-	1	K, M	BX	5	N, L, M, J, K	.270 (6.86)
-49470P03125-A-	1.2	J, K	BP	3	N, L, M, J, K	.530 (13.46)
-49470X03125-A-	1.2	K, M	BX	5	N, L, M, J, K	.270 (6.86)
-49470P03155-A-	1.5	J, K	BP	3	N, L, M, J, K	.600 (16.76)
-49470X03155-A-	1.5	K, M	BX	5	N, L, M, J, K	.390 (9.91)
-49470P03185-A-	1.8	J, K	BP	3	N, L, M, J, K	.660 (16.67)
-49470X03185-A-	1.8	K, M	BX	5	N, L, M, J, K	.390 (9.91)
-49470P03225-A-	2.2	J, K	BP	3	N, L, M, J, K	.800 (20.32)
-49470P03225-A-	2.2	J, K	BP	2	A, B, D, C, F	.390 (9.91)
-49470X03225-A-	2.2	K, M	BX	5	N, L, M, J, K	.390 (9.91)
-49470P03275-A-	2.7	J, K	BP	1	N, L, M, J, K	.530 (13.46)
-49470P03275-A-	2.7	J, K	BP	2	A, B, D, C, F	.390 (9.91)
-49470X03275-A-	2.7	K, M	BX	5	N, L, M, J, K	.530 (13.46)
-49470P03335-A-	3.3	J, K	BP	1	N, L, M, J, K	.660 (16.67)
-49470P03335-A-	3.3	J, K	BP	2	A, B, D, C, F	.530 (13.46)
-49470X03335-A-	3.3	K, M	BX	5	N, L, M, J, K	.530 (13.46)
-49470P03395-A-	3.9	J, K	BP	1	N, L, M, J, K	.660 (16.67)
-49470P03395-A-	3.9	J, K	BP	2	A, B, D, C, F	.660 (16.67)
-49470X03395-A-	3.9	K, M	BX	5	N, L, M, J, K	.660 (16.67)
-49470P03475-A-	4.7	J, K	BP	1	N, L, M, J, K	.800 (20.32)
-49470P03475-A-	4.7	J, K	BP	2	A, B, D, C, F	.660 (16.67)

See footnote at end of table.

TABLE I. Capacitor characteristics - Continued.

Part or Identifying Number (PIN) <u>1/</u>	Capacitance $\mu\text{F}$	Capacitance tolerance	Characteristic	Case code	Config.	Maximum A dimension inch (mm)
50 V						
-49470X03475-A-	4.7	K, M	BX	5	N, L, M, J, K	.660 (16.67)
-49470X03475-A-	4.7	K, M	BX	4	A, B, D, C, F	.390 (9.91)
-49470P03565-A-	5.6	J, K	BP	2	N, L, M, J, K	.800 (20.32)
-49470X03565-A-	5.6	K, M	BX	5	N, L, M, J, K	.800 (20.32)
-49470X03565-A-	5.6	K, M	BX	4	A, B, D, C, F	.390 (9.91)
-49470P03685-A-	6.8	J, K	BP	6	N, L, M, J, K	.530 (13.46)
-49470X03685-A-	6.8	K, M	BX	4	N, L, M, J, K	.530 (13.46)
-49470P03825-A-	8.2	J, K	BP	6	N, L, M, J, K	.530 (13.46)
-49470X03825-A-	8.2	K, M	BX	4	N, L, M, J, K	.530 (13.46)
-49470P03106-A-	10	J, K	BP	6	N, L, M, J, K	.660 (16.67)
-49470X03106-A-	10	K, M	BX	4	N, L, M, J, K	.660 (16.76)
-49470P03126-A-	12	J, K	BP	6	N, L, M, J, K	.660 (16.76)
-49470X03126-A-	12	K, M	BX	4	N, L, M, J, K	.660 (16.76)
-49470P03156-A-	15	J, K	BP	6	N, L, M, J, K	.800 (20.32)
-49470X03156-A-	15	K, M	BX	4	N, L, M, J, K	.800 (20.32)
-49470X03156-A-	15	K, M	BX	3	A, B, D, C, F	.390 (9.91)
-49470X03186-A-	18	K, M	BX	3	N, L, M, J, K	.390 (9.91)
-49470X03226-A-	22	K, M	BX	3	N, L, M, J, K	.530 (13.46)
-49470X03276-A-	27	K, M	BX	3	N, L, M, J, K	.530 (13.46)
-49470X03336-A-	33	K, M	BX	3	N, L, M, J, K	.530 (13.46)
-49470X03396-A-	39	K, M	BX	3	N, L, M, J, K	.660 (16.76)
-49470X03476-A-	47	K, M	BX	3	N, L, M, J, K	.800 (20.32)
-49470X03476-A-	47	K, M	BX	2	A, B, D, C, F	.390 (9.91)
-49470X03566-A-	56	K, M	BX	1	N, L, M, J, K	.530 (13.46)
-49470X03566-A-	56	K, M	BX	2	A, B, D, C, F	.390 (9.91)
-49470X03686-A-	68	K, M	BX	1	N, L, M, J, K	.660 (16.76)
-49470X03686-A-	68	K, M	BX	2	A, B, D, C, F	.530 (13.46)
-49470X03826-A-	82	K, M	BX	1	N, L, M, J, K	.660 (16.76)
-49470X03826-A-	82	K, M	BX	2	A, B, D, C, F	.530 (13.46)
-49470X03107-A-	100	K, M	BX	1	N, L, M, J, K	.800 (20.32)
-49470X03107-A-	100	K, M	BX	2	A, B, D, C, F	.660 (16.76)
-49470X03127-A-	120	K, M	BX	2	N, L, M, J, K	.660 (16.76)
-49470X03157-A-	150	K, M	BX	2	N, L, M, J, K	.800 (20.32)
-49470X03187-A-	180	K, M	BX	6	N, L, M, J, K	.660 (16.76)
-49470X03227-A-	220	K, M	BX	6	N, L, M, J, K	.660 (16.76)
-49470X03277-A-	270	K, M	BX	6	N, L, M, J, K	.800 (20.32)
100 V						
-49470P03473-B-	0.047	J, K	BP	5	N, L, M, J, K	.390 (9.91)
-49470P03563-B-	0.056	J, K	BP	5	N, L, M, J, K	.390 (9.91)
-49470P03683-B-	0.068	J, K	BP	5	N, L, M, J, K	.390 (9.91)
-49470P03823-B-	0.082	J, K	BP	5	N, L, M, J, K	.530 (13.46)

See footnote at end of table.

TABLE I. Capacitor characteristics - Continued.

Part or Identifying Number (PIN) <sup>1/</sup>	Capacitance $\mu\text{F}$	Capacitance tolerance	Characteristic	Case code	Config.	Maximum A dimension inch (mm)
100 V						
-49470P03104-B-	0.1	J, K	BP	5	N, L, M, J, K	.530 (13.46)
-49470P03124-B-	0.12	J, K	BP	5	N, L, M, J, K	.530 (13.46)
-49470P03154-B-	0.15	J, K	BP	5	N, L, M, J, K	.660 (16.76)
-49470P03154-B-	0.15	J, K	BP	4	A, B, D, C, F	.390 (9.91)
-49470P03184-B-	0.18	J, K	BP	5	N, L, M, J, K	.800 (20.32)
-49470P03184-B-	0.18	J, K	BP	4	A, B, D, C, F	.390 (9.91)
-49470P03224-B-	0.22	J, K	BP	5	N, L, M, J, K	.800 (20.32)
-49470P03224-B-	0.22	J, K	BP	4	A, B, D, C, F	.390 (9.91)
-49470P03274-B-	0.27	J, K	BP	4	N, L, M, J, K	.530 (13.46)
-49470P03334-B-	0.33	J, K	BP	4	N, L, M, J, K	.660 (16.76)
-49470P03394-B-	0.39	J, K	BP	4	N, L, M, J, K	.660 (16.76)
-49470P03474-B-	0.47	J, K	BP	4	N, L, M, J, K	.800 (20.32)
-49470P03474-B-	0.47	J, K	BP	3	A, B, D, C, F	.390 (9.91)
-49470P03564-B-	0.56	J, K	BP	4	N, L, M, J, K	.800 (20.32)
-49470P03564-B-	0.56	J, K	BP	3	A, B, D, C, F	.390 (9.91)
-49470P03684-B-	0.68	J, K	BP	3	N, L, M, J, K	.390 (9.91)
-49470X03684-B-	0.68	K, M	BX	5	N, L, M, J, K	.270 (6.86)
-49470P03824-B-	0.82	J, K	BP	3	N, L, M, J, K	.530 (13.46)
-49470X03824-B-	0.82	K, M	BX	5	N, L, M, J, K	.390 (9.91)
-49470P03105-B-	1	J, K	BP	3	N, L, M, J, K	.530 (13.46)
-49470X03105-B-	1	K, M	BX	5	N, L, M, J, K	.390 (9.91)
-49470P03125-B-	1.2	J, K	BP	3	N, L, M, J, K	.660 (16.76)
-49470X03125-B-	1.2	K, M	BX	5	N, L, M, J, K	.390 (9.91)
-49470P03155-B-	1.5	J, K	BP	3	N, L, M, J, K	.660 (16.76)
-49470X03155-B-	1.5	K, M	BX	5	N, L, M, J, K	.530 (13.46)
-49470P03185-B-	1.8	J, K	BP	3	N, L, M, J, K	.800 (20.32)
-49470P03185-B-	1.8	J, K	BP	2	A, B, D, C, F	.390 (9.91)
-49470X03185-B-	1.8	K, M	BX	5	N, L, M, J, K	.530 (13.46)
-49470P03225-B-	2.2	J, K	BP	1	N, L, M, J, K	.660 (16.76)
-49470X03225-B-	2.2	K, M	BX	5	N, L, M, J, K	.660 (16.76)
-49470X03225-B-	2.2	K, M	BX	4	A, B, D, C, F	.390 (9.91)
-49470P03275-B-	2.7	J, K	BP	1	N, L, M, J, K	.660 (16.76)
-49470X03275-B-	2.7	K, M	BX	5	N, L, M, J, K	.660 (16.76)
-49470P03335-B-	3.3	J, K	BP	1	N, L, M, J, K	.800 (20.32)
-49470P03335-B-	3.3	J, K	BP	2	A, B, D, C, F	.390 (9.91)
-49470X03335-B-	3.3	K, M	BX	5	N, L, M, J, K	.800 (20.32)
-49470X03335-B-	3.3	K, M	BX	4	A, B, D, C, F	.390 (9.91)
-49470P03395-B-	3.9	J, K	BP	2	N, L, M, J, K	.660 (16.76)
-49470X03395-B-	3.9	K, M	BX	4	N, L, M, J, K	.530 (13.46)
-49470P03475-B-	4.7	J, K	BP	2	N, L, M, J, K	.800 (20.32)
-49470X03475-B-	4.7	K, M	BX	4	N, L, M, J, K	.530 (13.46)

See footnote at end of table.

TABLE I. Capacitor characteristics - Continued.

Part or Identifying Number (PIN) <u>1/</u>	Capacitance $\mu\text{F}$	Capacitance tolerance	Characteristic	Case code	Config.	Maximum A dimension inch (mm)
<b>100 V</b>						
-49470P03565-B-	5.6	J, K	BP	6	N, L, M, J, K	.530 (13.46)
-49470X03565-B-	5.6	K, M	BX	4	N, L, M, J, K	.660 (16.76)
-49470P03685-B-	6.8	J, K	BP	6	N, L, M, J, K	.530 (13.46)
-49470X03685-B-	6.8	K, M	BX	4	N, L, M, J, K	.660 (16.76)
-49470P03825-B-	8.2	J, K	BP	6	N, L, M, J, K	.660 (16.76)
-49470X03825-B-	8.2	K, M	BX	4	N, L, M, J, K	.800 (20.32)
-49470X03825-B-	8.2	K, M	BX	3	A, B, D, C, F	.390 (9.91)
-49470P03106-B-	10	J, K	BP	6	N, L, M, J, K	.800 (20.32)
-49470X03106-B-	10	K, M	BX	3	N, L, M, J, K	.390 (9.91)
-49470P03126-B-	12	J, K	BP	6	N, L, M, J, K	.800 (20.32)
-49470X03126-B-	12	K, M	BX	3	N, L, M, J, K	.390 (9.91)
-49470X03156-B-	15	K, M	BX	3	N, L, M, J, K	.530 (13.46)
-49470X03186-B-	18	K, M	BX	3	N, L, M, J, K	.530 (13.46)
-49470X03226-B-	22	K, M	BX	3	N, L, M, J, K	.660 (16.76)
-49470X03276-B-	27	K, M	BX	3	N, L, M, J, K	.800 (20.32)
-49470X03276-B-	27	K, M	BX	2	A, B, D, C, F	.390 (9.91)
-49470X03336-B-	33	K, M	BX	1	N, L, M, J, K	.530 (13.46)
-49470X03336-B-	33	K, M	BX	2	A, B, D, C, F	.390 (9.91)
-49470X03396-B-	39	K, M	BX	1	N, L, M, J, K	.660 (16.76)
-49470X03396-B-	39	K, M	BX	2	A, B, D, C, F	.530 (13.46)
-49470X03476-B-	47	K, M	BX	1	N, L, M, J, K	.660 (16.76)
-49470X03476-B-	47	K, M	BX	2	A, B, D, C, F	.530 (13.46)
-49470X03566-B-	56	K, M	BX	1	N, L, M, J, K	.800 (20.32)
-49470X03686-B-	68	K, M	BX	2	N, L, M, J, K	.660 (16.76)
-49470X03826-B-	82	K, M	BX	2	N, L, M, J, K	.800 (20.32)
-49470X03107-B-	100	K, M	BX	6	N, L, M, J, K	.530 (13.46)
-49470X03127-B-	120	K, M	BX	6	N, L, M, J, K	.530 (13.46)
-49470X03157-B-	150	K, M	BX	6	N, L, M, J, K	.660 (16.76)
-49470X03187-B-	180	K, M	BX	6	N, L, M, J, K	.800 (20.32)
<b>200V</b>						
-49470P03223-C-	0.022	J, K	BP	5	N, L, M, J, K	.270 (6.86)
-49470P03273-C-	0.027	J, K	BP	5	N, L, M, J, K	.390 (9.91)
-49470P03333-C-	0.033	J, K	BP	5	N, L, M, J, K	.390 (9.91)
-49470P03393-C-	0.039	J, K	BP	5	N, L, M, J, K	.390 (9.91)
-49470P03473-C-	0.047	J, K	BP	5	N, L, M, J, K	.530 (13.46)
-49470P03563-C-	0.056	J, K	BP	5	N, L, M, J, K	.530 (13.46)
-49470P03683-C-	0.068	J, K	BP	5	N, L, M, J, K	.660 (16.76)
-49470P03683-C-	0.068	J, K	BP	4	A, B, D, C, F	.270 (6.86)
-49470P03823-C-	0.082	J, K	BP	5	N, L, M, J, K	.800 (20.32)
-49470P03823-C-	0.082	J, K	BP	4	A, B, D, C, F	.390 (9.91)

See footnote at end of table.

TABLE I. Capacitor characteristics - Continued.

Part or Identifying Number (PIN) <sup>1/</sup>	Capacitance $\mu\text{F}$	Capacitance tolerance	Characteristic	Case code	Config.	Maximum A dimension inch (mm)
<b>200 V</b>						
-49470P03104-C-	0.1	J, K	BP	5	N, L, M, J, K	.800 (20.32)
-49470P03104-C-	0.1	J, K	BP	4	A, B, D, C, F	.390 (9.91)
-49470P03124-C-	0.12	J, K	BP	4	N, L, M, J, K	.530 (13.46)
-49470P03154-C-	0.15	J, K	BP	4	N, L, M, J, K	.530 (13.46)
-49470P03184-C-	0.18	J, K	BP	4	N, L, M, J, K	.660 (16.76)
-49470P03224-C-	0.22	J, K	BP	4	N, L, M, J, K	.800 (20.32)
-49470P03274-C-	0.27	J, K	BP	4	N, L, M, J, K	.800 (20.32)
-49470P03274-C-	0.27	J, K	BP	3	A, B, D, C, F	.390 (9.91)
-49470P03334-C-	0.33	J, K	BP	3	N, L, M, J, K	.390 (9.91)
-49470P03394-C-	0.39	J, K	BP	3	N, L, M, J, K	.390 (9.91)
-49470P03474-C-	0.47	J, K	BP	3	N, L, M, J, K	.530 (13.46)
-49470R03474-C-	0.47	K, M	BR	5	N, L, M, J, K	.390 (9.91)
-49470P03564-C-	0.56	J, K	BP	3	N, L, M, J, K	.530 (13.46)
-49470R03564-C-	0.56	K, M	BR	5	N, L, M, J, K	.390 (9.91)
-49470P03684-C-	0.68	J, K	BP	3	N, L, M, J, K	.660 (16.76)
-49470R03684-C-	0.68	K, M	BR	5	N, L, M, J, K	.530 (13.46)
-49470P03824-C-	0.82	J, K	BP	3	N, L, M, J, K	.800 (20.32)
-49470P03824-C-	0.82	J, K	BP	2	A, B, D, C, F	.390 (9.91)
-49470R03824-C-	0.82	K, M	BR	5	N, L, M, J, K	.530 (13.46)
-49470P03105-C-	1	J, K	BP	3	N, L, M, J, K	.800 (20.32)
-49470P03105-C-	1	J, K	BP	2	A, B, D, C, F	.390 (9.91)
-49470R03105-C-	1	K, M	BR	5	N, L, M, J, K	.660 (16.76)
-49470R03105-C-	1	K, M	BR	4	A, B, D, C, F	.270 (6.86)
-49470P03125-C-	1.2	J, K	BP	1	N, L, M, J, K	.660 (16.76)
-49470P03125-C-	1.2	J, K	BP	2	A, B, D, C, F	.530 (13.46)
-49470R03125-C-	1.2	K, M	BR	5	N, L, M, J, K	.660 (16.76)
-49470R03125-C-	1.2	K, M	BR	4	A, B, D, C, F	.390 (9.91)
-49470P03155-C-	1.5	J, K	BP	1	N, L, M, J, K	.660 (16.76)
-49470P03155-C-	1.5	J, K	BP	2	A, B, D, C, F	.530 (13.46)
-49470R03155-C-	1.5	K, M	BR	5	N, L, M, J, K	.800 (20.32)
-49470R03155-C-	1.5	K, M	BR	4	A, B, D, C, F	.390 (9.91)
-49470P03185-C-	1.8	J, K	BP	1	N, L, M, J, K	.800 (20.32)
-49470P03185-C-	1.8	J, K	BP	2	A, B, D, C, F	.660 (16.76)
-49470R03185-C-	1.8	K, M	BR	4	N, L, M, J, K	.530 (13.46)
-49470P03225-C-	2.2	J, K	BP	2	N, L, M, J, K	.660 (16.76)
-49470R03225-C-	2.2	K, M	BR	4	N, L, M, J, K	.530 (13.46)
-49470P03275-C-	2.7	J, K	BP	2	N, L, M, J, K	.800 (20.32)
-49470R03275-C-	2.7	K, M	BR	4	N, L, M, J, K	.660 (16.76)
-49470P03335-C-	3.3	J, K	BP	6	N, L, M, J, K	.530 (13.46)
-49470R03335-C-	3.3	K, M	BR	4	N, L, M, J, K	.660 (16.76)
-49470P03395-C-	3.9	J, K	BP	6	N, L, M, J, K	.530 (13.46)

See footnote at end of table.

TABLE I. Capacitor characteristics - Continued.

Part or Identifying Number (PIN) <sup>1/</sup>	Capacitance $\mu\text{F}$	Capacitance tolerance	Characteristic	Case code	Config.	Maximum A dimension inch (mm)
<b>200 V</b>						
-49470R03395-C-	3.9	K, M	BR	4	N, L, M, J, K	.800 (20.32)
-49470R03395-C-	3.9	K, M	BR	3	A, B, D, C, F	.390 (9.91)
-49470P03475-C-	4.7	J, K	BP	6	N, L, M, J, K	.660 (16.76)
-49470R03475-C-	4.7	K, M	BR	3	N, L, M, J, K	.390 (9.91)
-49470P03565-C-	5.6	J, K	BP	6	N, L, M, J, K	.800 (20.32)
-49470R03565-C-	5.6	K, M	BR	3	N, L, M, J, K	.390 (9.91)
-49470R03685-C-	6.8	K, M	BR	3	N, L, M, J, K	.530 (13.46)
-49470R03825-C-	8.2	K, M	BR	3	N, L, M, J, K	.530 (13.46)
-49470R03106-C-	10	K, M	BR	3	N, L, M, J, K	.660 (16.76)
-49470R03126-C-	12	K, M	BR	3	N, L, M, J, K	.800 (20.32)
-49470R03126-C-	12	K, M	BR	2	A, B, D, C, F	.390 (9.91)
-49470R03156-C-	15	K, M	BR	1	N, L, M, J, K	.530 (13.46)
-49470R03156-C-	15	K, M	BR	2	A, B, D, C, F	.390 (9.91)
-49470R03186-C-	18	K, M	BR	1	N, L, M, J, K	.660 (16.76)
-49470R03186-C-	18	K, M	BR	2	A, B, D, C, F	.530 (13.46)
-49470R03226-C-	22	K, M	BR	1	N, L, M, J, K	.800 (20.32)
-49470R03226-C-	22	K, M	BR	2	A, B, D, C, F	.530 (13.46)
-49470R03276-C-	27	K, M	BR	1	N, L, M, J, K	.800 (20.32)
-49470R03276-C-	27	K, M	BR	2	A, B, D, C, F	.660 (16.76)
-49470R03336-C-	33	K, M	BR	2	N, L, M, J, K	.660 (16.76)
-49470R03396-C-	39	K, M	BR	2	N, L, M, J, K	.800 (20.32)
-49470R03476-C-	47	K, M	BR	6	N, L, M, J, K	.390 (9.91)
-49470R03566-C-	56	K, M	BR	6	N, L, M, J, K	.530 (13.46)
-49470R03686-C-	68	K, M	BR	6	N, L, M, J, K	.530 (13.46)
-49470R03826-C-	82	K, M	BR	6	N, L, M, J, K	.660 (16.76)
-49470R03107-C-	100	K, M	BR	6	N, L, M, J, K	.800 (20.32)
-49470R03127-C-	120	K, M	BR	6	N, L, M, J, K	.800 (20.32)
<b>500V</b>						
-49470P03103-E-	0.01	J, K	BP	5	N, L, M, J, K	.270 (6.86)
-49470P03123-E-	0.012	J, K	BP	5	N, L, M, J, K	.390 (9.91)
-49470P03153-E-	0.015	J, K	BP	5	N, L, M, J, K	.390 (9.91)
-49470P03183-E-	0.018	J, K	BP	5	N, L, M, J, K	.390 (9.91)
-49470P03223-E-	0.022	J, K	BP	5	N, L, M, J, K	.530 (13.46)
-49470P03273-E-	0.027	J, K	BP	5	N, L, M, J, K	.530 (13.46)
-49470P03333-E-	0.033	J, K	BP	5	N, L, M, J, K	.660 (16.76)
-49470P03333-E-	0.033	J, K	BP	4	A, B, D, C, F	.390 (9.91)
-49470P03393-E-	0.039	J, K	BP	5	N, L, M, J, K	.660 (16.76)
-49470P03393-E-	0.039	J, K	BP	4	A, B, D, C, F	.390 (9.91)
-49470P03473-E-	0.047	J, K	BP	5	N, L, M, J, K	.800 (20.32)
-49470P03473-E-	0.047	J, K	BP	4	A, B, D, C, F	.530 (13.46)
-49470P03563-E-	0.056	J, K	BP	4	N, L, M, J, K	.530 (13.46)

See footnote at end of table.

TABLE I. Capacitor characteristics - Continued.

Part or Identifying Number (PIN) <u>1/</u>	Capacitance $\mu\text{F}$	Capacitance tolerance	Characteristic	Case code	Config.	Maximum A dimension inch (mm)
<b>500 V</b>						
-49470P03683-E-	0.068	J, K	BP	4	N, L, M, J, K	.660 (16.76)
-49470P03823-E-	0.082	J, K	BP	4	N, L, M, J, K	.800 (20.32)
-49470P03104-E-	0.1	J, K	BP	4	N, L, M, J, K	.800 (20.32)
-49470P03124-E-	0.12	J, K	BP	4	N, L, M, J, K	.800 (20.32)
-49470P03124-E-	0.12	J, K	BP	3	A, B, D, C, F	.390 (9.91)
-49470P03154-E-	0.15	J, K	BP	3	N, L, M, J, K	.390 (9.91)
-49470Q03154-E-	0.15	K, M	BQ	5	N, L, M, J, K	.270 (6.86)
-49470P03184-E-	0.18	J, K	BP	3	N, L, M, J, K	.390 (9.91)
-49470Q03184-E-	0.18	K, M	BQ	5	N, L, M, J, K	.390 (9.91)
-49470P03224-E-	0.22	J, K	BP	3	N, L, M, J, K	.530 (13.46)
-49470Q03224-E-	0.22	K, M	BQ	5	N, L, M, J, K	.390 (9.91)
-49470P03274-E-	0.27	J, K	BP	3	N, L, M, J, K	.530 (13.46)
-49470Q03274-E-	0.27	K, M	BQ	5	N, L, M, J, K	.390 (9.91)
-49470P03334-E-	0.33	J, K	BP	3	N, L, M, J, K	.660 (16.76)
-49470Q03334-E-	0.33	K, M	BQ	5	N, L, M, J, K	.530 (13.46)
-49470P03394-E-	0.39	J, K	BP	3	N, L, M, J, K	.800 (20.32)
-49470P03394-E-	0.39	J, K	BP	2	A, B, D, C, F	.390 (9.91)
-49470Q03394-E-	0.39	K, M	BQ	5	N, L, M, J, K	.530 (13.46)
-49470P03474-E-	0.47	J, K	BP	1	N, L, M, J, K	.530 (13.46)
-49470P03474-E-	0.47	J, K	BP	2	A, B, D, C, F	.390 (9.91)
-49470Q03474-E-	0.47	K, M	BQ	5	N, L, M, J, K	.530 (13.46)
-49470P03564-E-	0.56	J, K	BP	1	N, L, M, J, K	.660 (16.76)
-49470P03564-E-	0.56	J, K	BP	2	A, B, D, C, F	.530 (13.46)
-49470Q03564-E-	0.56	K, M	BQ	5	N, L, M, J, K	.660 (16.76)
-49470Q03564-E-	0.56	K, M	BQ	4	A, B, D, C, F	.390 (9.91)
-49470P03684-E-	0.68	J, K	BP	1	N, L, M, J, K	.660 (16.76)
-49470P03684-E-	0.68	J, K	BP	2	A, B, D, C, F	.530 (13.46)
-49470Q03684-E-	0.68	K, M	BQ	5	N, L, M, J, K	.800 (20.32)
-49470Q03684-E-	0.68	K, M	BQ	4	A, B, D, C, F	.390 (9.91)
-49470P03824-E-	0.82	J, K	BP	1	N, L, M, J, K	.800 (20.32)
-49470P03824-E-	0.82	J, K	BP	2	A, B, D, C, F	.660 (16.76)
-49470Q03824-E-	0.82	K, M	BQ	4	N, L, M, J, K	.530 (13.46)
-49470P03105-E-	1	J, K	BP	2	N, L, M, J, K	.660 (16.76)
-49470Q03105-E-	1	K, M	BQ	4	N, L, M, J, K	.530 (13.46)
-49470P03125-E-	1.2	J, K	BP	2	N, L, M, J, K	.800 (20.32)
-49470Q03125-E-	1.2	K, M	BQ	4	N, L, M, J, K	.530 (13.46)
-49470P03155-E-	1.5	J, K	BP	6	N, L, M, J, K	.530 (13.46)
-49470Q03155-E-	1.5	K, M	BQ	4	N, L, M, J, K	.660 (16.76)
-49470P03185-E-	1.8	J, K	BP	6	N, L, M, J, K	.660 (16.76)
-49470Q03185-E-	1.8	K, M	BQ	4	N, L, M, J, K	.800 (20.32)
-49470Q03185-E-	1.8	K, M	BQ	3	A, B, D, C, F	.390 (9.91)

See footnote at end of table.

TABLE I. Capacitor characteristics - Continued.

Part or Identifying Number (PIN) <sup>1/</sup>	Capacitance $\mu\text{F}$	Capacitance tolerance	Characteristic	Case code	Config.	Maximum A dimension inch (mm)
<b>500 V</b>						
-49470P03225-E-	2.2	J, K	BP	6	N, L, M, J, K	.800 (20.32)
-49470Q03225-E-	2.2	K, M	BQ	3	N, L, M, J, K	.390 (9.91)
-49470Q03275-E-	2.7	K, M	BQ	3	N, L, M, J, K	.530 (13.46)
-49470Q03335-E-	3.3	K, M	BQ	3	N, L, M, J, K	.530 (13.46)
-49470Q03395-E-	3.9	K, M	BQ	3	N, L, M, J, K	.530 (13.46)
-49470Q03475-E-	4.7	K, M	BQ	3	N, L, M, J, K	.660 (16.76)
-49470Q03565-E-	5.6	K, M	BQ	3	N, L, M, J, K	.800 (20.32)
-49470Q03565-E-	5.6	K, M	BQ	2	A, B, D, C, F	.390 (9.91)
-49470Q03685-E-	6.8	K, M	BQ	1	N, L, M, J, K	.660 (16.76)
-49470Q03685-E-	6.8	K, M	BQ	2	A, B, D, C, F	.390 (9.91)
-49470Q03825-E-	8.2	K, M	BQ	1	N, L, M, J, K	.660 (16.76)
-49470Q03825-E-	8.2	K, M	BQ	2	A, B, D, C, F	.530 (13.46)
-49470Q03106-E-	10	K, M	BQ	1	N, L, M, J, K	.660 (16.76)
-49470Q03106-E-	10	K, M	BQ	2	A, B, D, C, F	.530 (13.46)
-49470Q03126-E-	12	K, M	BQ	1	N, L, M, J, K	.800 (20.32)
-49470Q03126-E-	12	K, M	BQ	2	A, B, D, C, F	.660 (16.76)
-49470Q03156-E-	15	K, M	BQ	2	N, L, M, J, K	.800 (20.32)
-49470Q03186-E-	18	K, M	BQ	2	N, L, M, J, K	.800 (20.32)
-49470Q03226-E-	22	K, M	BQ	6	N, L, M, J, K	.530 (13.46)
-49470Q03276-E-	27	K, M	BQ	6	N, L, M, J, K	.530 (13.46)
-49470Q03336-E-	33	K, M	BQ	6	N, L, M, J, K	.660 (16.76)
-49470Q03396-E-	39	K, M	BQ	6	N, L, M, J, K	.800 (20.32)

<sup>1/</sup> Complete PIN shall include additional symbols to indicate product level (M for B level, or T for T level), capacitance tolerance and configuration.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

Custodians:

Army - CR  
Navy - EC  
Air Force - 11  
NASA - NA  
DLA - CC

Preparing activity:  
Army - CR

Agent:  
DLA - CC

(Project 5910-2103)

Review activities:

Army - AR, AT, AV, CR4, MI  
Navy - MC  
Air Force - 19, 99