

Specification Details:

Specification: MIL-PRF-49470

Title: Capacitor, Fixed, Ceramic Dielectric, Switch Mode Power Supply (General Purpose and Temperature Stable)

Federal Supply Class (FSC): 5910

Conventional: No

Specification contains quality assurance program: No

MIL-STD-790 Established Reliability & High Reliability: Yes

MIL-STD-690 Failure Rate Sampling Plans & Procedures: No

Weibull Graded: No

Specification contains space level reliability requirements: No

Specification allows test optimization: No

Contact Information:

DSCC Office of Primary Involvement: Passive Devices Branch, DSCC-VQP

Primary DSCC-VQ Contact: 614-692-0666, e-mail: vqp.mp@dla.mil

Secondary DSCC-VQ Contact: 614-692-0597, e-mail: vqp.jz@dla.mil

Notes:

x = height designation

Part Configuration:

M49470R01474KCN

Specif- ication Number	Characteristic	Specif- ication Sheet	Capacitance	Cap Tolerance	Rated Voltage	Configuration
M49470	R	01	474	K	C	N

Part Listings:

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
PS01				
Cap values .15uF thru 5.6uF; tols. K, M; case codes 3, 4, 5; in 500 volts; chars. BQ; levels B; configurations A, B, C, D, F, J, K, L, M, N	501P	49470-1530-06	/1	Advanced Monolithic Ceramics, Inc.
Cap values 1uF thru 47uF; tols. K, M; case codes 3, 4, 5; in 50 volts; chars. BX; levels B; configurations J, K, L, M, N	L1XN	49470-2137-08	/1	Kemet Electronics Corp.
Cap values .68uF thru 27uF; tols. K, M; case codes 3, 4, 5; in 100 volts; chars. BX; levels B; configurations J, K, L, M, N	L1XN	49470-2137-08	/1	Kemet Electronics Corp.
Cap values .47uF thru 12uF; tols. K, M; case codes 3, 4, 5; in 200 volts; chars. BR; levels B; configurations J, K, L, M, N	L1XN	49470-2137-08	/1	Kemet Electronics Corp.
Cap values .15uF thru 5.6uF; tols. K, M; case codes 3, 4, 5; in 500 volts; chars. BQ; levels B; configurations J, K, L, M, N	L1XN	49470-2137-08	/1	Kemet Electronics Corp.
Cap values 47uF thru 270uF; tols. K, M; case codes 1, 2, 6; in 50 volts; chars. BX; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM0x	49470-068-00; 49470-069-00; 49470-132-98	/1	Olean Advanced Products
Cap values .68uF thru 27uF; tols. K, M; case codes 3, 4, 5; in 100 volts; chars. BX; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM0x	49470-068-00; 49470-069-00; 49470-070-00	/1	Olean Advanced Products
Cap values 27uF thru 180uF; tols. K, M; case codes 1, 2, 6; in 100 volts; chars. BX; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM0x	49470-068-00; 49470-069-00; 49470-133-98	/1	Olean Advanced Products
Cap values .47uF thru 120uF; tols. K, M; case codes 1, 2, 3, 4, 5, 6; in 200 volts; chars. BR; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM0x	49470-074-00; 49470-075-00	/1	Olean Advanced Products

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
PS01				
Cap values 1uF thru 47uF; tols. K, M; case codes 3, 4, 5; in 50 volts; chars. BX; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM0x	49470-066-00; 49470-068-00; 49470-069-00	/1	Olean Advanced Products
Cap values 5.6uF thru 39uF; tols. K, M; case codes 1, 2, 6; in 500 volts; chars. BQ; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM0x	49470-2187-08; 49470-2410-09	/1	Olean Advanced Products
Cap values .15uF thru 5.6uF; tols. K, M; case codes 3, 4, 5; in 500 volts; chars. BQ; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM0x,	49470-076-00	/1	Olean Advanced Products
Cap values 1uF thru 15uF; tols. K, M; case codes 4, 5; in 50 volts; chars. BX; levels T; configurations A, B, C, D, F, J, K, L, M, N	xRS505	49470-029-01	/1	Presidio Components, Inc
Cap values .68uF thru 27uF; tols. K, M; case codes 3, 4, 5; in 100 volts; chars. BX; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	xRS513,	49470-013-02	/1	Presidio Components, Inc
Cap values .15uF thru 39uF; tols. K, M; case codes 1, 2, 6; in 500 volts; chars. BQ; levels B; configurations A, B, C, D, F, J, K, L, M, N	HRS	49470-370-03	/1	Presidio Components, Inc
Cap values .04uF thru .47uF; tols. J, K; case codes 4, 5; in 100 volts; chars. BP; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SRS505	49470-1470-06	/1	Presidio Components, Inc
Cap values .15uF thru 5.6uF; tols. K, M; case codes 3, 4, 5; in 500 volts; chars. BQ; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	xRS513	49490-015-02	/1	Presidio Components, Inc
Cap values .68uF thru 82uF; tols. K, M; case codes 1, 2, 3, 4, 5; in 100 volts; chars. BX; levels B; configurations A, B, C, D, F, J, K, L, M, N	HRS	49470-1246-05	/1	Presidio Components, Inc
Cap values .05uF thru .56uF; tols. J, K; case codes 4, 5; in 50 volts; chars. BP; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SRS505	49470-1470-06	/1	Presidio Components, Inc
Cap values .47uF thru 12uF; tols. K, M; case codes 3, 4, 5; in 200 volts; chars. BR; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	xRS513	49470-014-02	/1	Presidio Components, Inc
Cap values 1uF thru 47uF; tols. K, M; case codes 3, 4, 5; in 50 volts; chars. BX; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SRS513	49470-012-02; 49470-017-02	/1	Presidio Components, Inc
Cap values .47uF thru 39uF; tols. K, M; case codes 1, 2, 3, 4, 5; in 200 volts; chars. BR; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SRS515	49470-1576-06	/1	Presidio Components, Inc
Cap values .68uF thru 180uF; tols. K, M; case codes 1, 2, 3, 4, 5, 6; in 100 volts; chars. BX; levels B; configurations A, B, C, D, F, J, K, L, M, N	HRS	49470-1576-06	/1	Presidio Components, Inc
Cap values .01uF thru .39uF; tols. J, K; case codes 3, 4, 5; in 500 volts; chars. BP; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	XRS	49470-1577-06	/1	Presidio Components, Inc
Cap values .01uF thru 39uF; tols. K, M; case codes 4; in 200 volts; chars. BR; levels B; configurations A, B, C, D, F, J, K, L, M, N	SMPx	49470-2367-08	/1	Spectrum Control, Inc.
Cap values 1uF thru 47uF; tols. K, M; case codes 3, 4, 5; in 50 volts; chars. BX; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	PGx	49470-2243-08	/1	Union Technology Corp.
Cap values .68uF thru 27uF; tols. K, M; case codes 3, 4, 5; in 100 volts; chars. BX; levels B; configurations A, B, C, D, F, J, K, L, M, N	PBx,	49470-912-04	/1	Union Technology Corp.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
PS01				
Cap values .15uF thru 5.6uF; tols. K, M; case codes 3, 4, 5; in 500 volts; chars. BQ; levels B; configurations A, B, C, D, F, J, K, L, M, N	PSx	49470-912-04	/1	Union Technology Corp.
Cap values .47uF thru 12uF; tols. K, M; case codes 3, 4, 5; in 200 volts; chars. BR; levels B; configurations J, K, L, M	PGx	49470-2670-09	/1	Union Technology Corp.
PS02				
Cap values 1uF thru 47uF; tols. K, M; case codes 3, 4, 5; in 50 volts; chars. BX; levels B; configurations J, K, L, M, N	L2XN	49470-2137-08	/2	Kemet Electronics Corp.
Cap values .68uF thru 27uF; tols. K, M; case codes 3, 4, 5; in 100 volts; chars. BX; levels B; configurations J, K, L, M, N	L2XN	49470-2137-08	/2	Kemet Electronics Corp.
Cap values .47uF thru 12uF; tols. K, M; case codes 3, 4, 5; in 200 volts; chars. BR; levels B; configurations J, K, L, M, N	L2XN	49470-2137-08	/2	Kemet Electronics Corp.
Cap values .15uF thru 5.6uF; tols. K, M; case codes 3, 4, 5; in 500 volts; chars. BQ; levels B; configurations J, K, L, M, N	L2XN	49470-2137-08	/2	Kemet Electronics Corp.
Cap values 47uF thru 270uF; tols. K, M; case codes 1, 2, 6; in 50 volts; chars. BX; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM9x	49470-072-00; 49470-073-00; 49470-132-98	/2	Olean Advanced Products
Cap values .47uF thru 120uF; tols. K, M; case codes 1, 2, 3, 4, 5, 6; in 200 volts; chars. BR; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM9x	49470-074-00; 49470-075-00	/2	Olean Advanced Products
Cap values 27uF thru 180uF; tols. K, M; case codes 1, 2, 6; in 100 volts; chars. BX; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM9x	49470-072-00; 49470-073-00; 49470-133-98	/2	Olean Advanced Products
Cap values 1uF thru 47uF; tols. K, M; case codes 3, 4, 5; in 50 volts; chars. BX; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM9x	49470-067-00; 49470-072-00; 49470-073-00	/2	Olean Advanced Products
Cap values .15uF thru 5.6uF; tols. K, M; case codes 3, 4, 5; in 500 volts; chars. BQ; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM9x	49470-076-00	/2	Olean Advanced Products
Cap values .68uF thru 27uF; tols. K, M; case codes 3, 4, 5; in 100 volts; chars. BX; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM9x	49470-071-00; 49470-072-00; 49470-073-00	/2	Olean Advanced Products
Cap values .15uF thru 5.6uF; tols. K, M; case codes 3, 4, 5; in 500 volts; chars. BQ; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SRS513	49470-1809-07	/2	Presidio Components, Inc

Manufacturer and Supplier Location Information

Manufacturer: Advanced Monolythic Ceramics, Inc. (CAGE Code: 1FTA7)

Location: 3101 Constitution Avenue, Olean, NY 14760-1867, US

Plants:

1. Same Address as Manufacturer

Manufacturer: Kemet Electronics Corporation (CAGE Code: 31433)

Location: 2835 Kemet Way, Simpsonville, SC 29681, US

Plants:

1. Same Address as Manufacturer

Manufacturer: Olean Advanced Products (CAGE Code: 96095)

Location: Division of AVX Corp, 1696 Seneca Avenue, Olean, NY 14760-9532, US

Plants:

1. Same Address as Manufacturer

Distributors:

1. Allied Electronics, 7410 Pebble Drive, Fort Worth, TX, 76118, US
2. Arrow Electronics, 7459 S. Lima Street, Englewood, CO, 80112, US
3. Astrex, 205 Express Street, Plainview, NY, 11803, US
4. Avnet Electronics, 2211 S. 47th Street, Phoenix, AZ, 85034, US
5. C&D Electronics, 28 Appleton Street, Holyoke, MA, 01040, US
6. California Capacitors, 1579 Centre Pointe Drive, Milpitas, CA, 95035-6834, US
7. Digi-Key Corp., 701 Brooks Avenue S., Thief River Falls, MN, 56701, US
8. Electronic Expeditors, N15 W22180 Watertown Road, Waukesha, WI, 53186, US
9. Future Electronics, 237 Hymus Boulevard, Pointe Claire, Quebec, Canada H9R 5C7
10. Garrett Electronics, 1320 W. McCoy Lane, Santa Maria, CA, 93455, US
11. Mouser Electronics, 1000 N. Main Street, Mansfield, TX, 76063, US
12. NEP, 805 Mittel Drive, Wood Dale, IL, 60191, US
13. NRC, 6600 Park of Commerce Boulevard, Boca Raton, FL, 33487, US
14. Neumann Electronics, 8665 Miralani Drive, San Diego, CA, 92126, US
15. Newark Electronics, 4801 Ravenswood, Chicago, IL, 60640, US
16. Powell Electronics, 200 Commodore Drive, Logan Township, NJ, 08085, US
17. Spirit Electronics, 23910 N. 19th Avenue, Suite 26, Phoenix, AZ, 85027, US
18. TTI Electronics, 2441 Northeast Parkway, Fort Worth, TX, 76106-1896,
19. Tri-Start Electronics, 134 Remington Boulevard, Ronkonkoma, NY, 11779, US

Manufacturer: Presidio Components, Inc (CAGE Code: 60212)

Location: P.O. Box 81576, 7169 Construction Court, San Diego, CA 92138-1576, US

Plants:

1. Same Address as Manufacturer

Manufacturer: Spectrum Control, Inc. (CAGE Code: 4L2Z9)

Location: 1900 W. College Avenue, State College, PA 16801, US

Plants:

1. Same Address as Manufacturer

Manufacturer: Union Technology Corp. (CAGE Code: 0YBX7)

Location: 718 Monterey Pass Road, Monterey Park, CA 91754-3607, US

Plants:

1. Same Address as Manufacturer