

DLA Land and Maritime - VQ
Supplemental Information Sheet for Electronic QPL-49470

Date: 10/3/2025

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:

Office of Primary Involvement: Electronic Devices Branch, DLA Land and Maritime - VQE
 Primary Qualifying Activity Contact: 614-692-1432, e-mail: vqp.pl@dla.mil
 Secondary Qualifying Activity Contact: 614-692-8367, e-mail: vqp.es@dla.mil

Notes:

x = height designation

Contact the manufacturer or refer to the manufacturers website for a list of Authorized Distributors.

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 1uF thru 47uF; tols. K, M; case codes 3, 4, 5; in 50 volts; chars. BX; levels B, T; configurations J, L, N	PGx	49470-2243-08	/1	
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	49470-4965-17	/1	Avio Excelente SA de CV AVX Corporation
Cap values 1uF thru 47uF; tols. K, M; case codes 3, 4, 5; in 50 volts; chars. BX; levels B, T; configurations J, L, N	L1XN	49470-2137-08; 49470-2951-10	/1	Kemet Electronics Corp.
Cap values .68uF thru 27uF; tols. K, M; case codes 3, 4, 5; in 100 volts; chars. BX; levels B, T; configurations J, L, N	L1XN	49470-2137-08; 49470-2951-10	/1	Kemet Electronics Corp.
Cap values .47uF thru 12uF; tols. K, M; case codes 3, 4, 5; in 200 volts; chars. BR; levels B, T; configurations J, L, N	L1RN	49470-2137-08; 49470-2951-10	/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, T; configurations J, L, N	L1QN	49470-2137-08; 49470-2951-10	/1	Kemet Electronics Corp.
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	49470-4965-17	/1	KYOCERA AVX Components Corporation
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	49470-4965-17	/1	KYOCERA AVX Components Corporation
Cap values 39uF thru 390uF; tols. J, K; case codes 1, 2, 6; in 25 volts; chars. BX; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM0x	49470-4965-17	/1	KYOCERA AVX Components Corporation

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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 .056uF thru 2.2uF; tols. J, K; case codes 3, 4, 5; in 50 volts; chars. BP; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SMOx	49470-2593-09; 49470-3834-13; 49470-4746-16	/1	KYOCERA AVX Components Corporation
Cap values 1.5uF thru 82uF; tols. K, M; case codes 3, 4, 5; in 25 volts; chars. BX; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SMOx	49470-3239-11; 49470-4746-16	/1	KYOCERA AVX Components Corporation
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	SMOx	49470-076-00; 49470-4746-16	/1	KYOCERA AVX Components Corporation
Cap values .022uF thru 1uF; tols. J, K; case codes 3, 4, 5; in 200 volts; chars. BP; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SMOx	49470-4746-16; 494703836-13	/1	KYOCERA AVX Components Corporation
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	SMOx	49470-2612-09; 49470-4746-16	/1	KYOCERA AVX Components Corporation
Cap values .047uF thru 1.8uF; tols. J, K; case codes 3, 4, 5; in 100 volts; chars. BP; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SMOx	49470-2651-09; 49470-4746-16	/1	KYOCERA AVX Components Corporation
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	SMOx	49470-069-00; 49470-070-00; 49470-4746-16; 494709-068-00	/1	KYOCERA AVX Components Corporation
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	SMOx	49470-074-00; 49470-075-00; 49470-4746-16	/1	KYOCERA AVX Components Corporation
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	SMOx	49470-066-00; 49470-068-00; 49470-069-00; 49470-4746-16	/1	KYOCERA AVX Components Corporation
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	XRSYY	49470-370-03	/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	XRSYY,	49470-1577-06	/1	Presidio Components, Inc
Cap values .022uF thru .1uF; tols. K, M; case codes 4, 5; in 200 volts; chars. BP; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	XRSYY	49470-3359-11	/1	Presidio Components, Inc
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	XRSYY	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	XRSYY,	49470-013-02	/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	XRSYY	49470-014-02	/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	XRSYY	49490-015-02	/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	XRSYY	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	XRSYY	49470-1576-06	/1	Presidio Components, Inc

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PS01				
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	XRSYY	49470-1470-06	/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	XRSYY	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	XRSYY	49470-1470-06	/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	XRSYY	49470-1576-06	/1	Presidio Components, Inc
Cap values .15uF thru 18uF; tols. K, M; case codes 1, 2, 3, 4, 5, 6; in 500 volts; chars. BQ; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	XRSYY	49470-5045-18	/1	Presidio Components, Inc.
Cap values 1.5uF thru 82uF; tols. K, M; case codes 3, 4, 5; in 25 volts; chars. BX; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	XRSYY	49470-3197-11	/1	Presidio Components, Inc.
Cap values 39uF thru 120uF; tols. K, M; case codes 6; in 200 volts; chars. BR; levels B; configurations J, K, L, M, N	XRSYY	49470-6204-21	/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, K, M	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.
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	PRx	49470-2670-09	/1	Union Technology Corp.
PS02				
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	49470-4965-17	/2	KYOCERA AVX Components Corporation
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	49470-4965-17	/2	KYOCERA AVX Components Corporation
Cap values 39uF thru 390uF; tols. K, M; case codes 1, 2, 6; in 25 volts; chars. BX; levels B, ; configurations A, B, C, D, F, J, K, L, M, N	SM9x	49470-4965-17	/2	KYOCERA AVX Components Corporation
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	SM9x	49470-2612-09; 49470-4746-16	/2	KYOCERA AVX Components Corporation
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; 49470-4746-16	/2	KYOCERA AVX Components Corporation
Cap values .047uF thru 1.8uF; tols. J, K; case codes 3, 4, 5; in 100 volts; chars. BP; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM9x	49470-2651-09; 49470-4746-16	/2	KYOCERA AVX Components Corporation

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PS02				
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; 49470-4746-16	/2	KYOCERA AVX Components Corporation
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; 49470-4746-16	/2	KYOCERA AVX Components Corporation
Cap values 1.5uF thru 82uF; tols. K, M; case codes 3, 4, 5; in 25 volts; chars. BX; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM9x	49470-3239-11; 49470-4746-16	/2	KYOCERA AVX Components Corporation
Cap values .056uF thru 2.2uF; tols. J, K; case codes 3, 4, 5; in 50 volts; chars. BP; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM9x	49470-2593-09; 49470-3834-13; 49470-4746-16	/2	KYOCERA AVX Components Corporation
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; 49470-4746-16	/2	KYOCERA AVX Components Corporation
Cap values .022uF thru 1uF; tols. J, K; case codes 3, 4, 5; in 200 volts; chars. BP; levels B, T; configurations A, B, C, D, F, J, K, L, M, N	SM9x	49470-3836-13; 49470-4746-16	/2	KYOCERA AVX Components Corporation
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	XRSYY	49470-1809-07	/2	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 J, K, L, M, N	XRSYY	49470-6206-21	/2	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 J, K, L, M	XRSYY	49470-6205-21	/2	Presidio Components, Inc.

Manufacturer and Supplier Location Information

Manufacturer: Kemet Electronics Corporation (CAGE Code: 31433)

Location: 2835 Kemet Way, Simpsonville, SC 29681-2457, US

Plants:

1. Kemet de Mexico, S.A. de C.V., Avenida Eloy Cavazos 7908 Ote, Col. Rancho Viejo, Guadalupe, N.L., C.P. 61750, MX

Manufacturer: KYOCERA AVX Components Corporation (CAGE Code: 6KUV2)

Location: One AVX Blvd., Fountain Inn, SC 29644-9039, USA

Plants:

1. Plant: Same Address as Manufacturer
2. KYOCERA AVX Components Juarez S. de R.L. de C.V., CAGE: S9915, Avenida San Lorenzo 651, Parque Industrial Omega CP, 32410, Cd. Juarez Chihuahua, Mexico

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

Location: 7169 Construction Court, San Diego, CA 92121, US

Plants:

1. Plant: Same Address as Manufacturer
2. Presidio Components Inc. (Test Lab), 500 East 60th Street N., Sioux Falls, SD 57104,

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

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

Plants:

1. Plant: Same Address as Manufacturer