

**DLA Land and Maritime - VQ
Supplemental Information Sheet for Electronic QPL-20**

Date: 3/10/2020

Specification Details:

Specification: MIL-PRF-20
 Title: Capacitor, Fixed, Ceramic Dielectric, Temperature Compensating
 Federal Supply Class (FSC): 5910
 Conventional: Yes
 Specification contains quality assurance program: No
 MIL-STD-790 Established Reliability & High Reliability: Yes
 MIL-STD-690 Failure Rate Sampling Plans & Procedures: Yes
 Weibull Graded: No
 Specification contains space level reliability requirements: No
 Specification allows test optimization: No

Contact Information:

Office of Primary Involvement: Passive Devices Branch, DLA Land and Maritime - VQP
 Primary Qualifying Activity Contact: 614-692-2063, e-mail: vqp.ahc@dla.mil
 Secondary Qualifying Activity Contact: 614-692-0609, e-mail: vqp.do@dla.mil

Notes:

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

Part Configuration:

ER: CCR75CH1R0CMV

Style	Characteristic	Capacitance Value	Capacitance Tolerance	Product Level Designator	Standoff Option
CCR75	CH	1R0	C	M	V

Non-ER: CC75 CH 1R0 C

Style	Characteristic	Capacitance Value	Capacitance Tolerance
CC75	CH	1R0	C

PART LISTINGS

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CC05				
Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 3300 pF; tols. B, C, D, F, G, J	MR05-CC-5, MR05-CC05	20-5332-19	/35	AVX Corporation Avio Excelente SA de CV
CC05				
Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 3300 pF; tols. B, C, D, F, G, H	C052G	20-1102-73; 20-488-88	/35	Kemet Electronics Corporation
CCR05*				
Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 3300 pF; tols. B, C, D, F, G, J; standoffs V; product level M, P, R, S	MR-55, MR05-CCR05	20-395-88; 20-5332-19; 39014-28-96;	/35	AVX Corporation Avio Excelente SA de CV
CCR05*				
Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 3300 pF; tols. B, C, D, F, G, J; standoffs V; product level M, P, R, S	C052G, C056G	20-1102-73; 20-389-88	/35	Kemet Electronics Corporation
CC06				
Chars. CG; voltage 50, 100, 200; cap. values 360 pF thru 18000 pF; tols. F, G, J, K	MR06-CC06	20-5332-19; 20-553-86;	/36	AVX Corporation Avio Excelente SA de CV
CC06				
Chars. CG; voltage 50, 100, 200; cap. values 360 pF thru 18000 pF; tols. F, G, J, K	C062G, C065	20-1102-73; 20-489-88	/36	Kemet Electronics Corporation

PART LISTINGS				
GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CCR06* Chars. CG; voltage 50, 100, 200; cap. values 360 pF thru 18000 pF; tols. F, G, J, K; standoffs V;product level M, P, R, S	HRM06, MR-66, MR06-CCR06	20-1089-80; 20- 396-88; 20-5332- 19	/36	AVX Corporation Avio Excelente SA de CV
CCR06* Chars. CG; voltage 50, 100, 200; cap. values 360 pF thru 18000 pF; tols. F, G, J, K; standoffs V;product level M, P, R, S	C062G, C065, C066G	20-1102-73; 20- 390-88	/36	Kemet Electronics Corporation
CC07 Chars. CG; voltage 50, 100, 200; cap. values 2200 pF thru 100000 pF; tols. F, G, J, K	MR07-CC07	20-083-97; 20- 141-74; 20-5332- 19; 20-93-96	/37	AVX Corporation Avio Excelente SA de CV
CC07 Chars. CG; voltage 50, 100, 200; cap. values 2200 pF thru 100000 pF; tols. F, G, J, K	C51G	20-1103-73	/37	Kemet Electronics Corporation
CCR07* Chars. CG; voltage 50, 100, 200; cap. values 2200 pF thru 100000 pF; tols. F, G, J, K;product level M, P, R, S	MR07-CCR07	20-141-74; 20- 5332-19; 20-93- 96	/37	AVX Corporation Avio Excelente SA de CV
CCR07* Chars. CG; voltage 50, 100, 200; cap. values 2200 pF thru 100000 pF; tols. F, G, J, K;product level M, P, R, S	C512G	20-1103-73	/37	Kemet Electronics Corporation
CC08 Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 68000 pF; tols. G, J, K;product level M, P, R, S	MR08-CC08	20-083-97; 20- 142-74; 20-5332- 19	/38	AVX Corporation Avio Excelente SA de CV
CC08 Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 68000 pF; tols. G, J, K	C522G	20-1103-73	/38	Kemet Electronics Corporation
CCR08* Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 68000 pF; tols. G, J, K;product level M, P, R, S	MR08-CCR08	20-142-74; 20- 5332-19	/38	AVX Corporation Avio Excelente SA de CV
CCR08* Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 68000 pF; tols. G, J, K	C522G	20-1103-73	/38	Kemet Electronics Corporation
CC09 Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 3300 pF; tols. B, C, D, F, G, J	MR04-CC09	20-5332-19; 20- 733-85; 20-94-96	/35	AVX Corporation Avio Excelente SA de CV
CCR09* Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 3300 pF; tols. B, C, D, F, G, J;product level M, P, R, S	MR04-CCR09	20-5332-19; 20- 94-96; 39014- 733-85	/35	AVX Corporation Avio Excelente SA de CV
CC75 Chars. CH, CJ, CK, CX; voltage 200; cap. values 1 pF thru 9.1 pF; tols. C, D	MA10-CC75	20-143-74; 20- 5332-19	/27	AVX Corporation Avio Excelente SA de CV
CC75 Chars. CH; voltage 200; cap. values 10 pF thru 18 pF; tol. G, J	MA10-CC75	20-143-74; 20- 5332-19	/27	AVX Corporation Avio Excelente SA de CV
CC75 Chars. CG; voltage 50, 100, 200; cap. values 20 pF thru 680 pF; tols. F, G, J	MA10-CC75	20-143-74; 20- 5332-19	/27	AVX Corporation Avio Excelente SA de CV
CC75 Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 680 pF; tols. B, C, D, F, G, J	C114G	20-1104-73	/27	Kemet Electronics Corporation
CC75 Chars. CG, CH; voltage 50, 100, 200; cap. values 1 pF thru 680 pF; tols. B, C, D, F, G, J	C114G	20-490-88	/27	Kemet Electronics Corporation

PART LISTINGS				
GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CCR75*				
Chars. CH, CJ, CK, CX; voltage 200; cap. values 1 pF thru 9.1 pF; tols. C, D; product level M, P, R, S	MA10-CCR75	20-143-74; 20-5332-19	/27	AVX Corporation Avio Excelente SA de CV
CCR75*				
Chars. CH; voltage 200; cap. values 10 pF thru 18 pF; tols. G, J, ; product level M, P, R, S	MA10-CCR75	20-143-74	/27	AVX Corporation Avio Excelente SA de CV
CCR75*				
Chars. CG; voltage 50, 100, 200; cap. values 20 pF thru 680 pF; tols. F, G, J; product level M, P, R, S	MA10-CCR75	20-143-74	/27	AVX Corporation Avio Excelente SA de CV
CCR75*				
Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 680 pF; tols. B, C, D, F, G, J; product level M, P, R, S	C114G	20-1104-73	/27	Kemet Electronics Corporation
CC76				
Chars. CG; voltage 50, 100, 200; cap. values 82 pF thru 1000 pF; tols. F, G, J	MA20-CC76	20-143-74; 20-5332-19	/28	AVX Corporation Avio Excelente SA de CV
CC76				
Chars. CG, CH; voltage 50, 100, 200; cap. values 82 pF thru 1000 pF; tols. F, G, J	C124G	20-1104-73; 20-491-88	/28	Kemet Electronics Corporation
CCR76*				
Chars. CG; voltage 50, 100, 200; cap. values 82 pF thru 1000 pF; tols. F, G, J; product level M, P, R, S	MA20-CCR76	20-143-74; 20-5332-19	/28	AVX Corporation Avio Excelente SA de CV
CCR76*				
Chars. CG; voltage 50, 100, 200; cap. values 82 pF thru 1000 pF; tols. F, G, J; product level M, P, R, S	C124G	20-1104-73	/28	Kemet Electronics Corporation
CC77				
Chars. CG; voltage 50, 100, 200; cap. values 150 pF thru 5600 pF; tols. F, G, J, K	MA40-CC77	20-143-74; 20-5332-19	/29	AVX Corporation Avio Excelente SA de CV
CC77				
Chars. CG; voltage 50, 100, 200; cap. values 150 pF thru 5600 pF; tols. F, G, J, K	C192G	20-1104-73; 20-490-88	/29	Kemet Electronics Corporation
CCR77*				
Chars. CG; voltage 50, 100, 200; cap. values 150 pF thru 5600 pF; tols. F, G, J, K; product level M, P, R, S	MA40-CCR77	20-143-74; 20-5332-19	/29	AVX Corporation Avio Excelente SA de CV
CCR77*				
Chars. CG; voltage 50, 100, 200; cap. values 150 pF thru 5600 pF; tols. F, G, J, K; product level M, P, R, S	C192G	20-1104-73	/29	Kemet Electronics Corporation
CC78				
Chars. CG; voltage 50, 100, 200; cap. values 820 pF thru 27000 pF; tols. F, G, J, K	MA50-CC78	20-143-74; 20-5332-19	/30	AVX Corporation Avio Excelente SA de CV
CC78				
Chars. CG; voltage 50, 100, 200; cap. values 820 pF thru 27000 pF; tols. F, G, J, K	C202G	20-1105-73	/30	Kemet Electronics Corporation
CCR78*				
Chars. CG; voltage 50, 100, 200; cap. values 820 pF thru 27000 pF; tols. F, G, J, K; product level M, P, R, S	MA50-CCR78	20-143-74; 20-5332-19	/30	AVX Corporation Avio Excelente SA de CV
CCR78*				
Chars. CG; voltage 50, 100, 200; cap. values 820 pF thru 27000 pF; tols. F, G, J, K; product level M, P, R, S	C202G	20-1105-73	/30	Kemet Electronics Corporation
CC79				
Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 82000 pF; tols. F, G, J, K	MA60-CC79	20-144-74; 20-5332-19	/31	AVX Corporation Avio Excelente SA de CV
CC79				
Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 82000 pF; tols. F, G, J, K	C222G	20-1105-73	/31	Kemet Electronics Corporation

PART LISTINGS				
GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CCR79*				
Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 82000 pF; tols. F, G, J, K; product level M, P, R, S	MA60-CCR79	20-144-74; 20- 5332-19	/31	AVX Corporation Avio Excelente SA de CV
CCR79*				
Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 82000 pF; tols. F, G, J, K; product level M, P, R, S	C222G	20-1105-73	/31	Kemet Electronics Corporation

Manufacturer and Supplier Location Information

Manufacturer: AVX Corporation (CAGE Code: 6KUV2)

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

Plants:

1. Avio Excelente SA de CV, CAGE: S9915, Avenida San Lorenzo 651, Parque Industrial Omega CP, 32410, Cd Juarez, Chihuahua, Mexico

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