

**Specification Details:**

Specification: MIL-PRF-19978  
 Title: Capacitor, Fixed, Plastic (or Paper-Plastic) Dielectric (Hermetically Sealed in Metal, Ceramic, or Glass Cases)  
 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: Yes  
 Weibull Graded: No  
 Specification contains space level reliability requirements: No  
 Specification allows test optimization: No

**Contact Information:**

DSCC Office of Primary Involvement: Passive Devices Team, DSCC-VQP  
 Primary DSCC-VQ Contact: 614-692-0665, e-mail: vqp.go@dla.mil  
 Secondary DSCC-VQ Contact: 614-692-0666, e-mail: vqp.mp@dla.mil

**Notes:**

An asterisk (\*) adjacent to the product listing indicates that qualified parts listed on the QPL are available through distributors authorized by the manufacturer in accordance with Military Standard MIL-STD-790. Names and addresses of the distributors are listed in the back of this QPL. This list is being furnished merely as an aid in identifying authorized sources of ER parts and the responsibility for complying with contractual provisions requiring use of such parts rests with the user of such parts. Such list has been compiled from information furnished by the manufacturers of ER parts prior to release of this QPL for printing.

Inclusion on, or omission from, the list of a particular distributor cannot be relied upon as a guarantee of the distributor's status since the information upon which the list is based may not have been complete and authorized distributors are subject to change by the manufacturer at any time. Inclusion of a firm on a list is not, under any circumstance, to be considered an indorsement of such firm or its products by the Department of Defense.

**Part Configuration:**

**CQR09A1MC152K1M (ER)**

ER Style	Terminal	Circuit	Characteristic	Voltage	Capacitance	Cap Tolerance	Vibration Grade	Product Level Designator
CQR09	A	1	M	C	152	K	1	M

**CQ09A1MC152K1 (NON-ER)**

Style	Terminal	Circuit	Characteristic	Voltage	Capacitance	Cap Tolerance	Vibration Grade
CQ09	A	1	M	C	152	K	1

**Part Listings:**

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
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**CQ05\***

Chars. K; cap. values 0.001uF thru 1uF; tols. K; terms. A; life failure rates ; volts 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3

131P	19978-332-64	/19	Dearborn Electronics, Inc.
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**CQ08\***

Chars. K, M; cap. values 0.001uF thru 10uF; tols. F, G, J, K; terms. A; life failure rates ; volts 30, 50, 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3

(K) 131P (M) 127P 227P 228P 327P	19978-14-63	/1	Dearborn Electronics, Inc.
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**CQ09\***

Chars. K, M; cap. values 0.001uF thru 10uF; tols. F, G, J, K; terms. A; life failure rates ; volts 30, 50, 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3

(K) 131P (M) 127P 227P 228P 327P	19978-14-63	/1	Dearborn Electronics, Inc.
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GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>CQ10*</b>				
Chars. K; cap. values 0.001uF thru 1uF; tols. K; terms. A; life failure rates ; volts 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3	131P	19978-332-64	/20	Dearborn Electronics, Inc.
<b>CQ11*</b>				
Chars. K-; cap. values 0.001uF thru 1uF; tols. K; terms. A; life failure rates ; volts 100, 200, 400, 600; vibration grade 3; circuits 1, 3	131P	19978-332-64	/21	Dearborn Electronics, Inc.
<b>CQ12*</b>				
Chars. K, M; cap. values 0.001uF thru 10uF; tols. F, G, J, K; terms. A; life failure rates ; volts 30, 50, 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3	(K) 131P (M) 127P 227P 228P 327P	19978-14-63	/1	Dearborn Electronics, Inc.
<b>CQ13*</b>				
Chars. K, M; cap. values 0.001uF thru 10uF; tols. F, G, J, K; terms. A; life failure rates ; volts 30, 50, 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3	(K) 131P (M) 127P 227P 228P 327P	19978-14-63	/1	Dearborn Electronics, Inc.
<b>CQ20*</b>				
Chars. K; cap. values 0.0001uF thru 1uF; tols. J, K; terms. A, C; life failure rates ; volts 1000, 2000, 3000, 5000, 7500, 10000, 12500, 15000; vibration grade 1; circuits 1	250P	19978-617-73	/2	Dearborn Electronics, Inc.
Chars. K; cap. values 0.0001uF thru 1uF; tols. J, K; terms. A, C; life failure rates ; volts 1000, 2000, 3000, 5000, 7500, 10000, 12500, 15000; vibration grade 1; circuits 1	205P	19978-15-63	/2	Dearborn Electronics, Inc.
<b>CQ72*</b>				
Chars. E, F, G; cap. values 0.1uF thru 15uF; tols. K; terms. B, D, E, H; life failure rates ; volts 400, 600, 1000, 1500, 2000, 2500, 3000, 4000, 5000, 6000, 7500, 10000, 12500; vibration grade 3; circuits 1	263P	19978-332-63	/3	Dearborn Electronics, Inc.
Chars. E, F, G; cap. values 0.1uF thru 15uF; tols. K; terms. B, D, E, H; life failure rates ; volts 400, 600, 1000, 1500, 2000, 2500, 3000, 4000, 5000, 6000, 7500, 10000, 12500; vibration grade 1; circuits 1	263P	19978-332-64	/3	Dearborn Electronics, Inc.
<b>CQR09*</b>				
Chars. K; cap. values 0.001uF thru 1uF; tols. G, J, K; terms. A; life failure rates M, P, R; volts 200, 400, 600, 1000; vibration grade 3; circuits 1, 3	131P	14157-332-64	/9	Dearborn Electronics, Inc.
<b>CQR12*</b>				
Chars. K; cap. values 0.001uF thru 1uF; tols. G, J, K; terms. A; life failure rates M, P, R; volts 200, 400, 600, 1000; vibration grade 3; circuits 1, 3	131P	14157-332-64	/10	Dearborn Electronics, Inc.
<b>CQR13*</b>				
Chars. K; cap. values 0.001uF thru 1uF; tols. G, J, K; terms. A; life failure rates M, P, R; volts 200, 400, 600, 1000; vibration grade 3; circuits 1, 3	131P	14157-332-64	/11	Dearborn Electronics, Inc.
<b>CQR19*</b>				
Chars. K; cap. values 0.0039uF thru 1uF; tols. J, K; terms. A; life failure rates M, P, R; volts 200, 300, 400, 600; vibration grade 3; circuits 1, 3	131P	19978-332-64	/12	Dearborn Electronics, Inc.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>CQR29*</b>				
Chars. M; cap. values 0.001uF thru 15uF; tols. G, J, K; terms. A; life failure rates M, P, R; volts 30, 50, 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3	127P 227P 228P 327P	14157-332-64	/13	Dearborn Electronics, Inc.
<b>CQR32*</b>				
Chars. M; cap. values 0.001uF thru 10uF; tols. G, J, K; terms. A; life failure rates M, P, R; volts 30, 50, 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3	127P 227P 228P 327P	14157-332-64	/14	Dearborn Electronics, Inc.
<b>CQR33*</b>				
Chars. M; cap. values 0.001uF thru 10uF; tols. G, J, K; terms. A; life failure rates M, P, R; volts 30, 50, 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3	127P 227P 228P 327P	14157-322-64	/15	Dearborn Electronics, Inc.
<b>CQR39*</b>				
Chars. K; cap. values 0.001uF thru 1uF; tols. K; terms. A; life failure rates M, P, R; volts 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3	131P	25-5-61	/16	Dearborn Electronics, Inc.
<b>CQR42*</b>				
Chars. K; cap. values 0.001uF thru 1uF; tols. K; terms. A; life failure rates M, P, R; volts 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3	131P	25-5-61	/17	Dearborn Electronics, Inc.
<b>CQR43*</b>				
Chars. K; cap. values 0.001uF thru 1uF; tols. K; terms. A; life failure rates M, P, R; volts 100, 200, 400, 600; vibration grade 3; circuits 1, 3	131P	25-5-61	/18	Dearborn Electronics, Inc.
<b>CQR44*</b>				
Chars. V; cap. values 0.001uF thru 1uF; tols. J, K; terms. A; life failure rates M, P, R; volts 50, 100, 200, 400, 600; vibration grade 3; circuits 1, 3	837P	19978-474-03	/22	Dearborn Electronics, Inc.

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Dearborn Electronics, Inc. (CAGE Code: 01884)**

Location: 1221 N. Highway 17/92, Longwood, FL 32750, US

Plant Location: Same Address as Manufacturer

Category A

Distributor Locations:

1. Electronic Supply Center, 32 River Street, North Adams, MA 01247, US
2. New Yorker Electronics, 420 Center Avenue, Mamaroneck, NY 10543, US
3. New Yorker Electronics, 1103 W. Hibiscus Blvd., Suite 401, Melbourne, FL 32901, US
4. Projections Unlimited, Inc., 14831 Myford Road, Tustin, CA 92780, US
5. Spirit Electronics, 15150 N. Hayden Road, Scottsdale, AZ 85260, US
6. T.T.I., 2441 Northeast Parkway, Fort Worth, TX 76106-1896, US
7. Tri-State Electronics, Inc., 134 Remington Boulevard, Ronkonkoma, NY 11779, US