

**DLA Land and Maritime - VQ
Supplemental Information Sheet for Electronic QPL-19978**

Date: 4/30/2018

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:

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: 614-692-0597, e-mail: vqp.jz@dla.mil

Notes:

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

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) |
|------------------------|---|---------------------------------|---------------------|--|
|------------------------|---|---------------------------------|---------------------|--|

CQ05

| | | | | |
|---|------|--------------|-----|----------------------------|
| Chars. K; cap. values .001 uF thru 1 uF; tols. K;terms. A; voltage 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3 | 131P | 19978-332-64 | /19 | Dearborn Electronics, Inc. |
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CQ08

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|--|--------------------------------------|-------------|----|----------------------------|
| Chars. K, M; cap. values .001 uF thru 10 uF; tols. F, G, J, K;terms. A; voltage 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. |
|--|--------------------------------------|-------------|----|----------------------------|

CQ09

| | | | | |
|--|--------------------------------------|-------------|----|----------------------------|
| Chars. K, M; cap. values .001 uF thru 10 uF; tols. F, G, J, K;terms. A; voltage 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. |
|--|--------------------------------------|-------------|----|----------------------------|

CQ10

| | | | | |
|---|------|--------------|-----|----------------------------|
| Chars. K; cap. values .001 uF thru 1 uF; tols. K;terms. A; voltage 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3 | 131P | 19978-332-64 | /20 | Dearborn Electronics, Inc. |
|---|------|--------------|-----|----------------------------|

CQ11

| | | | | |
|--|------|--------------|-----|----------------------------|
| Chars. K-; cap. values .001 uF thru 1 uF; tols. K;terms. A; voltage 100, 200, 400, 600; vibration grade 3; circuits 1, 3 | 131P | 19978-332-64 | /21 | Dearborn Electronics, Inc. |
|--|------|--------------|-----|----------------------------|

CQ12

| | | | | |
|--|--------------------------------------|-------------|----|----------------------------|
| Chars. K, M; cap. values .001 uF thru 10 uF; tols. F, G, J, K;terms. A; voltage 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. |
|--|--------------------------------------|-------------|----|----------------------------|

PART LISTINGS

| GOVERNMENT DESIGNATION | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|---|---|---------------------------------|---------------------|--|
| CQ13 | | | | |
| Chars. K, M; cap. values .001 uF thru 10 uF; tols. F, G, J, K; terms. A; voltage 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. |
| CQ20 | | | | |
| Chars. K; cap. values 0 uF thru 1 uF; tols. J, K; terms. A, C; voltage 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 uF thru 1 uF; tols. J, K; terms. A, C; voltage 1000, 2000, 3000, 5000, 7500, 10000, 12500, 15000; vibration grade 1; circuits 1 | 205P | 19978-15-63 | /2 | Dearborn Electronics, Inc. |
| CQ72 | | | | |
| Chars. E, F, G; cap. values .1 uF thru 15 uF; tols. K; terms. B, D, E, H; voltage 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. |
| Chars. E, F, G; cap. values .1 uF thru 15 uF; tols. K; terms. B, D, E, H; voltage 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. |
| CQR09 | | | | |
| Chars. K; cap. values .001 uF thru 1 uF; tols. G, J, K; terms. A; life failure rates M, P, R; voltage 200, 400, 600, 1000; vibration grade 3; circuits 1, 3 | 131P | 14157-332-64 | /9 | Dearborn Electronics, Inc. |
| CQR12 | | | | |
| Chars. K; cap. values .001 uF thru 1 uF; tols. G, J, K; terms. A; life failure rates M, P, R; voltage 200, 400, 600, 1000; vibration grade 3; circuits 1, 3 | 131P | 14157-332-64 | /10 | Dearborn Electronics, Inc. |
| CQR13 | | | | |
| Chars. K; cap. values .001 uF thru 1 uF; tols. G, J, K; terms. A; life failure rates M, P, R; voltage 200, 400, 600, 1000; vibration grade 3; circuits 1, 3 | 131P | 14157-332-64 | /11 | Dearborn Electronics, Inc. |
| CQR19 | | | | |
| Chars. K; cap. values .004 uF thru 1 uF; tols. J, K; terms. A; life failure rates M, P, R; voltage 200, 300, 400, 600; vibration grade 3; circuits 1, 3 | 131P | 19978-332-64 | /12 | Dearborn Electronics, Inc. |
| CQR29 | | | | |
| Chars. M; cap. values .001 uF thru 15 uF; tols. G, J, K; terms. A; life failure rates M, P, R; voltage 30, 50, 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3 | 127P, 227P, 228P, 327P | 14157-332-64 | /13 | Dearborn Electronics, Inc. |
| CQR32 | | | | |
| Chars. M; cap. values .001 uF thru 10 uF; tols. G, J, K; terms. A; life failure rates M, P, R; voltage 30, 50, 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3 | 127P, 227P, 228P, 327P | 14157-332-64 | /14 | Dearborn Electronics, Inc. |
| CQR33 | | | | |
| Chars. M; cap. values .001 uF thru 10 uF; tols. G, J, K; terms. A; life failure rates M, P, R; voltage 30, 50, 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3 | 127P, 227P, 228P, 327P | 14157-322-64 | /15 | Dearborn Electronics, Inc. |

PART LISTINGS

| GOVERNMENT DESIGNATION | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SPECIFI- CATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|--|---|---------------------------------------|-----------------------------|---|
| CQR39 | | | | |
| Chars. K; cap. values .001 uF thru 1 uF; tols. K;terms. A; life failure rates M, P, R; voltage 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3 | 131P | 25-5-61 | /16 | Dearborn Electronics, Inc. |
| CQR42 | | | | |
| Chars. K; cap. values .001 uF thru 1 uF; tols. K;terms. A; life failure rates M, P, R; voltage 100, 200, 400, 600, 1000; vibration grade 3; circuits 1, 3 | 131P | 25-5-61 | /17 | Dearborn Electronics, Inc. |
| CQR43 | | | | |
| Chars. K; cap. values .001 uF thru 1 uF; tols. K;terms. A; life failure rates M, P, R; voltage 100, 200, 400, 600; vibration grade 3; circuits 1, 3 | 131P | 25-5-61 | /18 | Dearborn Electronics, Inc. |
| CQR44 | | | | |
| Chars. V; cap. values .001 uF thru 1 uF; tols. J, K;terms. A; life failure rates M, P, R; voltage 50, 100, 200, 400, 600; vibration grade 3; circuits 1, 3 | 837P | 19978-474-03 | /22 | Dearborn Electronics, Inc. |

Manufacturer and Supplier Location Information

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

Location: 1221 N. Highway 17/92, Longwood, FL 32750-3739, US

Plants:

1. Plant: Same Address as Manufacturer