

**Specification Details:**

Specification: MIL-PRF-83421

Title: Capacitor, Fixed, Metallized Plastic Film Dielectric, (D.C., A.C., or A.C./D.C.), Hermetically Sealed in Metal or Ceramic Cases)

Federal Supply Class (FSC): 5910

Conventional: No

Specification contains quality assurance program: No

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

MIL-STD-690 Failure Rate Sampling Plans &amp; Procedures: Yes

Weibull Graded: No

Specification contains space level reliability requirements: No

Specification allows test optimization: Yes

**Contact Information:**

DSCC Office of Primary Involvement: Passive Devices Branch, 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:****M83421/01-1123M**

Performance Specification Number	Specification Sheet Number	Style	Nonsignificant Dash Number	FRL
M83421	/01	-1	123	M

**Part Listings:**

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

**CRH00\***

(See specification sheet for part numbers.)

Cap. values .001 uf thru 2 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S	39022-335-72	/1	Dearborn Electronics, Inc.
-----------------------------------------------------------------------------------------------------------	--------------	----	----------------------------

Cap. values .001 uf thru 2 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R	83421-431-83	/1	Electronic Concepts, Inc.
--------------------------------------------------------------------------------------------------------	--------------	----	---------------------------

**CRH01\***

(See specification sheet for part numbers.)

Cap. values .001 uf thru 22 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S	39022-335-72	/1	Dearborn Electronics, Inc.
------------------------------------------------------------------------------------------------------------	--------------	----	----------------------------

Cap. values .001 uf thru 22 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R	83421-431-83	/1	Electronic Concepts, Inc.
---------------------------------------------------------------------------------------------------------	--------------	----	---------------------------

**CRH02\***

(See specification sheet for part numbers.)

Cap. values .001 uf thru 10 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S	39022-335-72	/1	Dearborn Electronics, Inc.
------------------------------------------------------------------------------------------------------------	--------------	----	----------------------------

Cap. values .001 uf thru 10 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R	83421-431-83	/1	Electronic Concepts, Inc.
---------------------------------------------------------------------------------------------------------	--------------	----	---------------------------

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>CRH03*</b>				
(See specification sheet for part numbers.)				
Cap. values .001 uf thru 10 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S		39022-335-72	/1	Dearborn Electronics, Inc.
Cap. values .001 uf thru 10 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R		83421-431-83	/1	Electronic Concepts, Inc.
<b>CRH04*</b>				
(See specification sheet for part numbers.)				
Cap. values .001 uf thru 3.9 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S		39022-335-72	/1	Dearborn Electronics, Inc.
Cap. values .001 uf thru 3.9 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R		83421-413-83	/1	Electronic Concepts, Inc.
<b>CRH05*</b>				
(See specification sheet for part numbers.)				
Cap. values .001 uf thru 2 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S		39022-335-72	/1	Dearborn Electronics, Inc.
Cap. values .001 uf thru 2 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R		83421-431-83	/1	Electronic Concepts, Inc.
<b>CRH06*</b>				
(See specification sheet for part numbers.)				
Cap. values .001 uf thru 22 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S		39022-335-72	/1	Dearborn Electronics, Inc.
Cap. values .001 uf thru 22 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R		83421-431-83	/1	Electronic Concepts, Inc.
<b>CRH07*</b>				
(See specification sheet for part numbers.)				
Cap. values .001 uf thru 10 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S		39022-335-72	/1	Dearborn Electronics, Inc.
Cap. values .001 uf thru 10 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R		83421-431-83	/1	Electronic Concepts, Inc.
<b>CRH08*</b>				
(See specification sheet for part numbers.)				
Cap. values .001 uf thru 10 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S		39022-335-72	/1	Dearborn Electronics, Inc.
Cap. values .001 uf thru 10 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R		83421-431-83	/1	Electronic Concepts, Inc.
<b>CRH09*</b>				
(See specification sheet for part numbers.)				
Cap. values .001 uf thru 3.9 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S		39022-335-72	/1	Dearborn Electronics, Inc.
Cap. values .001 uf thru 3.9 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R		83421-431-83	/1	Electronic Concepts, Inc.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>CRH11*</b>				
(See specification sheet for part numbers.)				
Cap. values .47 uf thru 25 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P		83421-193-93	/2	Dearborn Electronics, Inc.
<b>CRH12*</b>				
(See specification sheet for part numbers.)				
Cap. values .18 uf thru 5 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P		83421-193-93	/2	Dearborn Electronics, Inc.
<b>CRH13*</b>				
(See specification sheet for part numbers.)				
Cap. values .033 uf thru 2 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P		83421-193-93	/2	Dearborn Electronics, Inc.
<b>CRH31*</b>				
(See specification sheet for part numbers.)				
Cap. values .001 uf thru 22 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S		83421-059-00	/6	Dearborn Electronics, Inc.
Cap. values .001 uf thru 15 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M		83421-004-01	/6	Electronic Concepts, Inc.
<b>CRH32*</b>				
(See specification sheet for part numbers.)				
Cap. values .001 uf thru 10 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S		83421-060-00	/6	Dearborn Electronics, Inc.
Cap. values .001 uf thru 10 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M		83421-004-01	/6	Electronic Concepts, Inc.
<b>CRH33*</b>				
(See specification sheet for part numbers.)				
Cap. values .001 uf thru 10 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S		83421-060-00	/6	Dearborn Electronics, Inc.
Cap. values .001 uf thru 8.2 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M		83421-004-01	/6	Electronic Concepts, Inc.
<b>CRH34*</b>				
(See specification sheet for part numbers.)				
Cap. values .001 uf thru 3.9 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S		83421-059-00	/6	Dearborn Electronics, Inc.
Cap. values .001 uf thru 3.9 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M		83421-004-01	/6	Electronic Concepts, Inc.
<b>CRH35*</b>				
(See specification sheet for part numbers.)				
Cap. values .001 uf thru 2 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S		83421-060-00	/6	Dearborn Electronics, Inc.
Cap. values .001 uf thru 2 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M		83421-004-01	/6	Electronic Concepts, Inc.

---

**Manufacturer and Supplier Location Information**

---

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

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

**Plants:**

1. Same Address as Manufacturer

**Distributors:**

1. Arrow Electronics, 665 Maestro Drive, Reno, NV, 89511, US
2. New Yorker Electronics, 420 Center Avenue, Mamaroneck, NY, 10543, US
3. Spirit Electronics, 7432 E. Tierra Buena Lane, Scottsdale, AZ, 85260, US
4. T.T.I., 2441 Northeast Parkway, Fort Worth, TX, 76106, US

**Manufacturer: Electronic Concepts, Inc. (CAGE Code: 50558)**

Location: P.O. Box 627, 526 Industrial Way West, Eatontown, NJ 07724, US

**Plants:**

1. Same Address as Manufacturer

**Distributors:**

1. Elcon Sales Company, 470 Clifton Avenue, Clifton, NJ, 07011, US