Specification Details: **Date: 4/30/2026**

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 & 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: Yes

Contact Information:

Office of Primary Involvement: Electronic Devices Branch, DLA Land and Maritime - VQE
Primary Qualifying Activity Contact: 614-693-0022, e-mail: vqe.zc@dla.mil
Secondary Qualifying Activity Contact: 614-693-2499, e-mail: vqe.yw@dla.mil

Notes:

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

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	SPECIFI-CATION 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	CRH00	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	CHR01	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	CRH02	83421-431-83	/1	Electronic Concepts, Inc.
CRH03				
(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	CRH03	83421-431-83	/1	Electronic Concepts, Inc.
CRH04				
(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	CRH04	83421-413-83	/1	Electronic Concepts, Inc.
CRH05				
(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	CRH05	83421-431-83	/1	Electronic Concepts, Inc.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CRH06				
(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	CRH06	83421-431-83	/1	Electronic Concepts, Inc.
CRH07				
(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	CRH07	83421-431-83	/1	Electronic Concepts, Inc.
CRH08				
(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	CRH08	83421-431-83	/1	Electronic Concepts, Inc.
CRH09				
(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	CRH09	83421-431-83	/1	Electronic Concepts, Inc.
CRH11				
(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	720P256X5100	83421-193-93	/2	Exxelia USA Inc.
CRH12				
(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	720P505X5400	83421-193-93	/2	Exxelia USA Inc.
CRH13				
(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	720P205X5400	83421-193-93	/2	Exxelia USA Inc.
CRH31				
(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	CRH31	83421-004-01	/6	Electronic Concepts, Inc.
Cap. values .001 uf thru 22 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S	871P Series	83421-059-00	/6	Exxelia USA Inc.
CRH32				
(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	CRH32	83421-004-01	/6	Electronic Concepts, Inc.
Cap. values .001 uf thru 10 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S	871P Series	83421-060-00	/6	Exxelia USA Inc.
CRH33				
(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	CRH33	83421-004-01	/6	Electronic Concepts, Inc.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CRH33				
(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	871P Series	83421-060-00	/6	Exxelia USA Inc.
CRH34				
(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	CRH34	83421-004-01	/6	Electronic Concepts, Inc.
Cap. values .001 uf thru 3.9 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S	871P Series	83421-059-00	/6	Exxelia USA Inc.
CRH35				
(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	CRH35	83421-004-01	/6	Electronic Concepts, Inc.
Cap. values .001 uf thru 2 uf, all tols.; tols. .25%, .5%, 1%, 2%, 5%, 10%; life failure rates M, P, R, S	871P Series	83421-060-00	/6	Exxelia USA Inc.

Manufacturer and Supplier Location Information

Manufacturer: Electronic Concepts, Inc. (CAGE Code: 50558)
Location: 526 Industrial Way West, Eatontown, NJ 07724-1278, US

Plants:
1. Plant: Same Address as Manufacturer

Manufacturer: Exxelia USA Inc. (CAGE Code: 01884)
Location: 1221 N. Highway 17/92, Longwood, FL 32750-3739, US

Plants:
1. Plant: Same Address as Manufacturer