Specification Details: **Date: 3/20/2026**

Specification: MIL-PRF-39018
Title: Capacitor, Fixed, Electrolytic (Aluminum Oxide)
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:

M39018/03-1009M

General Specification	Slash Sheet	Dash Number
M39018	/03	-1009M

PART LISTINGS

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CU12				
M39018/01-0401 thru -0476	600D	39018-887-04	/1	Barker Microfarads, Inc.
M39018/01-0478 thru -0481	600D	39018-887-04	/1	Barker Microfarads, Inc.
M39018/01-0489 thru -0493	600D	39018-887-04	/1	Barker Microfarads, Inc.
M39018/01-0501 thru -0576	600D	39018-887-04	/1	Barker Microfarads, Inc.
M39018/01-0578 thru -0581	600D	39018-887-04	/1	Barker Microfarads, Inc.
M39018/01-0589 thru -0593	600D	39018-887-04	/1	Barker Microfarads, Inc.
CU13				
M39018/01-0601 thru -0676	600D	39018-887-04	/1	Barker Microfarads, Inc.
M39018/01-0678 thru -0681	600D	39018-887-04	/1	Barker Microfarads, Inc.
M39018/01-0689 thru -0693	600D	39018-887-04	/1	Barker Microfarads, Inc.
M39018/01-0701 thru -0776	600D	39018-887-04	/1	Barker Microfarads, Inc.
M39018/01-0778 thru -0781	600D	39018-887-04	/1	Barker Microfarads, Inc.
M39018/01-0789 thru -0793	600D	39018-887-04	/1	Barker Microfarads, Inc.
M39018/01-1001M, P thru -1074M, P	600D,	39018-888-04	/1	Barker Microfarads, Inc.
M39018/01-1089M, P thru -1090M, P	600D,	39018-888-04	/1	Barker Microfarads, Inc.
M39018/01-1101M, P thru -1174M, P	600D,	39018-888-04	/1	Barker Microfarads, Inc.
M39018/01-1169M, P thru -1174M, P	600D,	39018-888-04	/1	Barker Microfarads, Inc.
M39018/01-1189M, P thru -1190M, P	600D,	39018-888-04	/1	Barker Microfarads, Inc.
CU16				
M39018/03-0401 thru -0498	601D	39018-889-04	/3	Barker Microfarads, Inc.
M39018/03-0501 thru -0598	601D	39018-889-04	/3	Barker Microfarads, Inc.
CU17				
M39018/03-0601 thru -0699	601D	39018-890-04	/3	Barker Microfarads, Inc.
M39018/03-0601H thru -0699H	601D	39018-890-04	/3	Barker Microfarads, Inc.
M39018/03-0701 thru -0799	601D	39018-890-04	/3	Barker Microfarads, Inc.
M39018/03-0701H thru -0799H	601D	39018-890-04	/3	Barker Microfarads, Inc.
M39018/03-1001M, P thru -1091M, P	601D,	39018-892-04	/3	Barker Microfarads, 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)
CU17				
M39018/03-1099M, P	601D,	39018-892-04	/3	Barker Microfarads, Inc.
M39018/03-1101M, P thru -1191M, P	601D,	39018-892-04	/3	Barker Microfarads, Inc.
M39018/03-1199M, P	601D,	39018-892-04	/3	Barker Microfarads, Inc.
M39018/03-1201M, P thru -1291M, P	601D,	39018-892-04	/3	Barker Microfarads, Inc.
M39018/03-1299M, P	601D,	39018-892-04	/3	Barker Microfarads, Inc.
M39018/03-1301M, P thru -1391M, P	601D,	39018-892-04	/3	Barker Microfarads, Inc.
M39018/03-1399M, P	601D,	39018-892-04	/3	Barker Microfarads, Inc.
CUR19				
M39018/07-0001M thru -0128M	604D	39018-891-04	/7	Barker Microfarads, Inc.
M39018/07-0201M thru -0328M	604D	39018-891-04	/7	Barker Microfarads, Inc.
CU71				
M39018/04-0001 thru -0058	CU71	39018-852-78	/4	Cornell Dubilier
M39018/04-1002 thru -1206	CU71	39018-852-78	/4	Cornell Dubilier
M39018/04-2001M thru -2209M	CUR71	39018-852-78	/4	Cornell Dubilier
CUR91				
M39018/06-0001M thru -0197M	101	39018-853-78	/6	Cornell Dubilier
CUR92				
M39018/10-0001M thru -0200M	106	39018-168-83	/10	Cornell Dubilier

Manufacturer and Supplier Location Information

Manufacturer: Barker Microfarads, Inc. (CAGE Code: 0P569)
Location: P.O. Box 697, 205 Mill Street, Hillsville, VA 24343, US

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: Cornell-Dubilier (CAGE Code: 00853)
Location: 140 Technology Place, Liberty, SC 29657-3300, US

Plants:

1. Plant: Same Address as Manufacturer