Specification Details: **Date: 12/4/2025**

Specification: MIL-PRF-25
Title: Capacitor, Fixed, Paper Dielectric, D.C., Hermetically Sealed in Metallic Cases
Federal Supply Class (FSC): 5910
Conventional: Yes
Specification contains quality assurance program: No
MIL-STD-790 Established Reliability & High Reliability: No
MIL-STD-690 Failure Rate Sampling Plans & Procedures: No
Weibull Graded: No
Specification contains space level reliability requirements: No
Specification allows test optimization: No

Contact Information:

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

Notes:

Effective 21 June 1968, MIL-C-25 has been declared "Inactive for New Design" with no superseding specification. This is applicable on all acquisitions to which MIL-C-25 is applied.

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

Part Configuration:

CP53B1EB105K1

Style	Terminal	Circuit	Characteristic	Voltage	Capacitance	Cap Tolerance	Vibration Grade
CP53	B	1	E	B	105	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)
CP53				
Char. E, F; 100 Volts, Cap. Values 1 uf thru 4 uf; Tols. K,	CP53	25-1-61	/4	Exxelia USA Inc.
Char. E, F; 200 Volts, Cap. Values .5 uf thru 2 uf; Tols. K	CP53	25-1-61	/4	Exxelia USA Inc.
Char. K; 400 Volts, Cap. Values .05 uf thru 1 uf; Tols. K, V	CP53	25-1-61	/4	Exxelia USA Inc.
Char. E, F; 600 Volts, Cap. Values .05 uf thru 2 uf; Tols. K, V	CP53	25-1-61	/4	Exxelia USA Inc.
Char. E, F; 1000 Volts, Cap. Values .05 uf thru 1 uf; Tols. K, V	CP53	25-1-61	/4	Exxelia USA Inc.
CP54				
Char. E, F; 100 Volts, Cap. Values 1 uf thru 4 uf; Tols. K	CP54	25-1-61	/4	Exxelia USA Inc.
Char. E, F; 200 Volts, Cap. Values .5 uf thru 2 uf; Tols. K	CP54	25-1-61	/4	Exxelia USA Inc.
Char. K; 400 Volts, Cap. Values .05 uf thru 1 uf; Tols. K, V	CP54	25-1-61	/4	Exxelia USA Inc.
Char. E, F; 600 Volts, Cap. Values .05 uf thru 2 uf; Tols. K, V	CP54	25-1-61	/4	Exxelia USA Inc.
CP55				
Char. E, F; 100 Volts, Cap. Values 1 uf thru 4 uf; Tols. K	CP55	25-1-61	/4	Exxelia USA Inc.
Char. E, F; 200 Volts, Cap. Values .5 uf thru 2 uf; Tols. K	CP55	25-1-61	/4	Exxelia USA Inc.
Char. K; 400 Volts, Cap. Values .05 uf thru 1 uf; Tols. K, V	CP55	25-1-61	/4	Exxelia USA Inc.
Char. E, F; 600 Volts, Cap. Values .05 uf thru 2 uf; Tols. K, V	CP55	25-1-61	/4	Exxelia USA Inc.
Char. E, F; 1000 Volts, Cap. Values .05 uf thru 1 uf; Tols. K, V	CP55	25-1-61	/4	Exxelia USA Inc.

Manufacturer and Supplier Location Information

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