

AMERICAN CAPACITOR CORPORATION

MYLAR AND FOIL CAPACITORS

ENGINEERING DATA SHEET

SERIES **M**

ENVIRONMENTAL DATA

APPLICATIONS

Series M Mylar (Polyester) and Foil Capacitors are superior general purpose capacitors for both AC and DC applications. They are dry-section, non-polar, non-inductive wound capacitors with high volumetric efficiency and a low cost.

Series M Capacitors come in several styles: Oval Wrap & Fill (MW Style); Round Wrap & Fill (MR Style); Axial Epoxy Case (ME Style); Radial Epoxy Case (MF Style); Rectangular Hermetically Sealed (MG Style); Round Hermetically Sealed (ML Style). They are available in our Regular (3 Size code), as well as custom sizes to meet specific customer requirements.

Contact our Engineering Department for special sizes, configurations, capacitance values and AC applications with Anti-Corona construction at all frequencies. Custom metal enclosures are available. Custom designed Feed Through capacitors (MQ Style) are also available for filter applications to specific requirements.

OPERATING TEMPERATURE RANGE

Range: -55°C to +125°C with voltage derating, 100% of listed voltage rating from -55°C to +85°C, derate linearly to 50% of the listed voltage rating at +125°C.

LIFE TEST

Series M capacitors shall be capable of withstanding a test of 1000 hours at +125°C and 100% of the derated DC voltage or a test of 250 hours at +125°C and 140% of the derated DC voltage. The voltage shall be applied to each capacitor through its individual current-limiting resistor as determined from the formula $R = 0.025/C$, where C is the nominal capacitance in farads and R is in ohms.

The test procedures shall be in accordance with MIL-C-19978, except as noted herein. Not more than one failure in twelve shall be permitted. Any one of the following shall be considered a failure.

- A change in capacitance of more than $\pm 10\%$ from its initial value.
- An increase in Dissipation Factor to a value greater than the initial acceptance limit.
- A decrease in Insulation Resistance to a value less than 30% of the acceptance limit for 25°C.
- A permanent short or open.

VIBRATION

Series M capacitors shall be capable of withstanding a vibration test in accordance with MIL-STD-202, Method 201. The following details and exceptions shall apply:

a. **Mounting.** The capacitor body shall be rigidly mounted by the entire body length to the vibration test fixture. The leads shall be soldered to rigidly supported terminals and so spaced that the length of each lead from the capacitor is $1/2 \pm 1/8$ inch from the edge of the supporting terminal.

b. **Measurement during Vibration.** During the last cycle in each direction, an electrical measurement shall be made to detect intermittent contacts or open or short circuiting.

c. **Examination After Vibration.** Capacitors shall be visibly examined for evidence of mechanical damage.

MOISTURE RESISTANCE

Series M capacitor Styles MG and ML (hermetically sealed in metal containers) shall be capable of withstanding the moisture resistance, humidity, and temperature and immersion cycling or MIL-C-19978. Styles ME and MF (epoxy encased) and Styles MW and MR (wrap & fill) capacitors are not intended for exposure to high humidity conditions over extended periods of time.

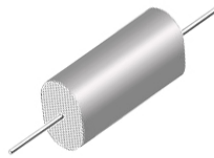
TERMINAL STRENGTH

Series M capacitors utilize tin-plated, copper-clad steel wire terminals which shall be capable of withstanding the following test without mechanical damage to the capacitor or terminals:

a. **Pull Test.** The capacitor shall withstand a steady pull of 5 pounds axially to the leads for 1 minute.

b. **Bend Test.** The wire lead terminals shall be bent at a point of 1/4 inch from the body of the capacitor, first 90 degrees in one direction, then back to the original position, and then 90 degrees in the opposite direction.

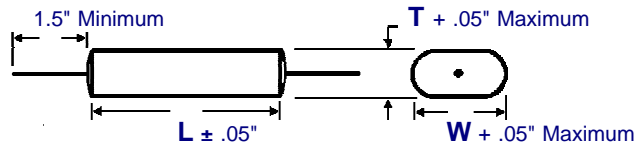
MYLAR AND FOIL WRAP AND FILL, OVAL AXIAL LEAD CAPACITORS



MW3
MYLAR & FOIL
WRAP & FILL, OVAL
REGULAR SERIES

DIMENSIONS See tables for specific T, W, L values.

WIRE SIZE (Length 1.5" Minimum)



BODY LENGTH (L)	WIRE SIZE	
	AWG No.	Diameter
≤ 0.71"	24	0.020"
> 0.71" ≤ 1.25"	22	0.025"
> 1.25"	20	0.032"

ORDERING DESCRIPTION

Capacitor, fixed: Mylar (Polyester) dielectric; extended foil construction; tin-plated copper-clad steel wire axial leads; encased in skin-tight plastic wrap with epoxy end fill.

APPLICATION NOTES

Wrap & Fill capacitors are not intended for exposure to high humidity conditions over extended periods of time. For stringent environmental conditions, Wrap & Fill capacitors should be used in encapsulated or hermetically sealed circuitry.

SELECTION AND ORDERING TABLES Select voltage rating, capacitance and tolerance, read Part Number to the right.

MFD	100VDC 70VAC				200VDC 120VAC				400VDC 160VAC				600VDC 230VAC			
	T	W	L	PART #	T	W	L	PART #	T	W	L	PART #	T	W	L	PART #
	+ .05"	+ .05"	± .05"		+ .05"	+ .05"	± .05"		+ .05"	+ .05"	± .05"		+ .05"	+ .05"	± .05"	
.001	.11	.23	.55	MW3D102K	.11	.23	.55	MW3E102K	.11	.23	.55	MW3G102K	.11	.23	.55	MW3J102K
.0012	.11	.23	.55	MW3D122K	.11	.23	.55	MW3E122K	.11	.23	.55	MW3G122K	.11	.23	.55	MW3J122K
.0015	.11	.23	.55	MW3D152K	.11	.23	.55	MW3E152K	.11	.23	.55	MW3G152K	.11	.23	.55	MW3J152K
.0018	.11	.23	.55	MW3D182K	.11	.23	.55	MW3E182K	.11	.23	.55	MW3G182K	.11	.23	.55	MW3J182K
.0022	.11	.23	.55	MW3D222K	.11	.23	.55	MW3E222K	.11	.23	.55	MW3G222K	.11	.23	.55	MW3J222K
.0027	.11	.23	.55	MW3D272K	.11	.23	.55	MW3E272K	.11	.23	.55	MW3G272K	.11	.23	.55	MW3J272K
.0033	.11	.23	.55	MW3D332K	.11	.23	.55	MW3E332K	.11	.23	.55	MW3G332K	.11	.23	.55	MW3J332K
.0039	.11	.23	.55	MW3D392K	.11	.23	.55	MW3E392K	.11	.23	.55	MW3G392K	.11	.23	.55	MW3J392K
.0047	.11	.23	.55	MW3D472K	.11	.23	.55	MW3E472K	.11	.23	.55	MW3G472K	.11	.23	.65	MW3J472K
.0056	.11	.23	.55	MW3D562K	.11	.23	.55	MW3E562K	.11	.23	.55	MW3G562K	.11	.23	.65	MW3J562K
.0068	.11	.23	.55	MW3D682K	.11	.23	.55	MW3E682K	.11	.23	.55	MW3G682K	.11	.23	.65	MW3J682K
.0082	.11	.23	.55	MW3D822K	.11	.23	.55	MW3E822K	.11	.23	.65	MW3G822K	.12	.25	.75	MW3J822K
.01	.11	.23	.55	MW3D103K	.11	.23	.55	MW3E103K	.11	.23	.65	MW3G103K	.15	.38	.75	MW3J103K
.012	.11	.23	.55	MW3D123K	.11	.23	.55	MW3E123K	.11	.23	.65	MW3G123K	.19	.35	.75	MW3J123K
.015	.11	.23	.55	MW3D153K	.11	.23	.65	MW3E153K	.12	.25	.65	MW3G153K	.19	.36	.75	MW3J153K
.018	.11	.23	.55	MW3D183K	.11	.23	.65	MW3E183K	.15	.28	.75	MW3G183K	.23	.37	.75	MW3J183K
.022	.11	.23	.55	MW3D223K	.11	.23	.65	MW3E223K	.19	.32	.75	MW3G223K	.26	.39	.75	MW3J223K
.027	.11	.23	.65	MW3D273K	.12	.25	.65	MW3E273K	.19	.32	.75	MW3G273K	.29	.43	.75	MW3J273K
.033	.11	.23	.65	MW3D333K	.15	.28	.65	MW3E333K	.23	.36	.75	MW3G333K	.25	.46	1.00	MW3J333K
.039	.11	.23	.65	MW3D393K	.15	.28	.75	MW3E393K	.23	.36	.75	MW3G393K	.28	.43	1.00	MW3J393K
.047	.11	.23	.75	MW3D473K	.18	.31	.75	MW3E473K	.26	.39	.75	MW3G473K	.32	.46	1.00	MW3J473K
.056	.12	.25	.75	MW3D563K	.19	.32	.75	MW3E563K	.24	.37	1.00	MW3G563K	.34	.49	1.00	MW3J563K
.068	.15	.28	.75	MW3D683K	.23	.36	.75	MW3E683K	.27	.40	1.00	MW3G683K	.38	.53	1.00	MW3J683K
.082	.19	.32	.75	MW3D823K	.26	.39	.75	MW3E823K	.29	.42	1.00	MW3G823K	.34	.57	1.25	MW3J823K
.10	.19	.32	.75	MW3D104K	.29	.42	.75	MW3E104K	.33	.46	1.00	MW3G104K	.38	.53	1.25	MW3J104K
.12	.23	.36	.75	MW3D124K	.32	.45	.75	MW3E124K	.37	.50	1.00	MW3G124K	.35	.55	1.50	MW3J124K
.15	.25	.38	.75	MW3D154K	.36	.49	.75	MW3E154K	.42	.55	1.00	MW3G154K	.40	.55	1.50	MW3J154K
.18	.23	.36	1.00	MW3D184K	.31	.44	1.00	MW3E184K	.38	.51	1.25	MW3G184K	.43	.63	1.50	MW3J184K
.22	.25	.38	1.00	MW3D224K	.35	.48	1.00	MW3E224K	.42	.55	1.25	MW3G224K	.49	.65	1.50	MW3J224K
.25	.27	.40	1.00	MW3D254K	.31	.45	1.25	MW3E254K	.42	.55	1.35	MW3G254K	.47	.76	1.75	MW3J254K
.27	.28	.41	1.00	MW3D274K	.34	.47	1.25	MW3E274K	.44	.57	1.35	MW3G274K	.50	.76	1.75	MW3J274K
.33	.32	.45	1.00	MW3D334K	.37	.50	1.25	MW3E334K	.49	.62	1.35	MW3G334K	.55	.79	1.75	MW3J334K
.39	.35	.48	1.00	MW3D394K	.39	.52	1.25	MW3E394K	.47	.63	1.50	MW3G394K	.51	.85	2.00	MW3J394K
.47	.40	.53	1.00	MW3D474K	.44	.57	1.25	MW3E474K	.54	.70	1.50	MW3G474K	.57	.85	2.00	MW3J474K
.50	.40	.53	1.00	MW3D504K	.46	.59	1.25	MW3E504K	.54	.70	1.50	MW3G504K	.59	.85	2.00	MW3J504K
.56	.37	.50	1.25	MW3D564K	.39	.55	1.50	MW3E564K	.52	.68	1.75	MW3G564K	.58	.85	2.25	MW3J564K
.68	.40	.53	1.25	MW3D684K	.44	.60	1.50	MW3E684K	.58	.74	1.75	MW3G684K	.64	.85	2.25	MW3J684K
.75	.33	.50	1.50	MW3D754K	.42	.58	1.75	MW3E754K	.53	.75	2.00	MW3G754K	.68	.85	2.25	MW3J754K
.82	.36	.52	1.50	MW3D824K	.44	.60	1.75	MW3E824K	.56	.77	2.00	MW3G824K	.72	.85	2.25	MW3J824K
1.0	.42	.58	1.50	MW3D105K	.49	.65	1.75	MW3E105K	.63	.84	2.00	MW3G105K	.80	.85	2.25	MW3J105K
1.5	.53	.69	1.50	MW3D155K	.54	.75	2.00	MW3E155K	.72	.94	2.25	MW3G155K	.87	.85	2.75	MW3J155K
2.0	.55	.71	1.75	MW3D205K	.53	.74	2.75	MW3E205K	.85	1.06	2.25	MW3G205K	1.02	.85	2.75	MW3J205K
3.0	.69	.85	1.75	MW3D305K	.66	.88	2.75	MW3E305K	.92	1.14	2.75	MW3G305K	1.27	.85	2.75	MW3J305K
5.0	.64	.86	2.75	MW3D505K	.85	1.12	2.75	MW3E505K	1.21	1.42	2.75	MW3G505K	1.65	.85	2.75	MW3J505K

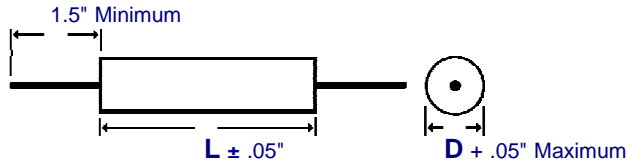
Note: Replace the last digit **K** with the desired tolerance code from the tolerance table. For an in-between value use the next larger value's dimensions. Custom sizes are readily available. All dimensions are in inches. All +.05" dimension tolerances are Maximum.

MYLAR AND FOIL WRAP AND FILL, ROUND AXIAL LEAD CAPACITORS



MR3
MYLAR & FOIL
WRAP & FILL, ROUND
REGULAR SERIES

DIMENSIONS See tables for specific D, L values.



WIRE SIZE (Length 1.5" Minimum)

BODY LENGTH (L)	WIRE SIZE	
	AWG No.	Diameter
≤ 0.71"	24	0.020"
> 0.71" ≤ 1.25"	22	0.025"
> 1.25"	20	0.032"

ORDERING DESCRIPTION

Capacitor, fixed: Mylar (Polyester) dielectric; extended foil construction; tin-plated copper-clad steel wire axial leads; encased in skin-tight plastic wrap with epoxy end fill.

APPLICATION NOTES

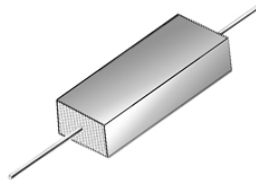
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SELECTION AND ORDERING TABLES Select voltage rating, capacitance and tolerance, read Part Number to the right.

MFD	100VDC 70VAC			200VDC 120VAC			400VDC 160VAC			600VDC 230VAC		
	RATING	D	L	PART #	D	L	PART #	D	L	PART #	D	L
	+ .05"	± .05"		+ .05"	± .05"		+ .05"	± .05"		+ .05"	± .05"	
.001	.15	.55	MR3D102K	.15	.55	MR3E102K	.15	.55	MR3G102K	.15	.55	MR3J102K
.0012	.15	.55	MR3D122K	.15	.55	MR3E122K	.15	.55	MR3G122K	.15	.55	MR3J122K
.0015	.15	.55	MR3D152K	.15	.55	MR3E152K	.15	.55	MR3G152K	.15	.55	MR3J152K
.0018	.15	.55	MR3D182K	.15	.55	MR3E182K	.15	.55	MR3G182K	.17	.55	MR3J182K
.0022	.15	.55	MR3D222K	.15	.55	MR3E222K	.16	.55	MR3G222K	.19	.55	MR3J222K
.0027	.15	.55	MR3D272K	.15	.55	MR3E272K	.17	.55	MR3G272K	.21	.55	MR3J272K
.0033	.15	.55	MR3D332K	.15	.55	MR3E332K	.18	.55	MR3G332K	.19	.55	MR3J332K
.0039	.15	.55	MR3D392K	.15	.55	MR3E392K	.19	.55	MR3G392K	.20	.55	MR3J392K
.0047	.15	.55	MR3D472K	.16	.55	MR3E472K	.21	.55	MR3G472K	.22	.65	MR3J472K
.0056	.16	.55	MR3D562K	.17	.55	MR3E562K	.23	.55	MR3G562K	.24	.65	MR3J562K
.0068	.17	.55	MR3D682K	.19	.55	MR3E682K	.20	.55	MR3G682K	.26	.65	MR3J682K
.0082	.18	.55	MR3D822K	.20	.55	MR3E822K	.22	.65	MR3G822K	.28	.75	MR3J822K
.01	.19	.55	MR3D103K	.22	.55	MR3E103K	.24	.65	MR3G103K	.30	.75	MR3J103K
.012	.21	.55	MR3D123K	.20	.55	MR3E123K	.26	.65	MR3G123K	.30	.75	MR3J123K
.015	.23	.55	MR3D153K	.22	.65	MR3E153K	.29	.65	MR3G153K	.33	.75	MR3J153K
.018	.25	.55	MR3D183K	.24	.65	MR3E183K	.28	.75	MR3G183K	.33	.75	MR3J183K
.022	.22	.55	MR3D223K	.26	.65	MR3E223K	.30	.75	MR3G223K	.35	.75	MR3J223K
.027	.24	.65	MR3D273K	.28	.65	MR3E273K	.30	.75	MR3G273K	.38	.75	MR3J273K
.033	.26	.65	MR3D333K	.31	.65	MR3E333K	.32	.75	MR3G333K	.41	1.00	MR3J333K
.039	.25	.65	MR3D393K	.30	.75	MR3E393K	.36	.75	MR3G393K	.39	1.00	MR3J393K
.047	.27	.75	MR3D473K	.32	.75	MR3E473K	.39	.75	MR3G473K	.42	1.00	MR3J473K
.056	.29	.75	MR3D563K	.31	.75	MR3E563K	.42	1.00	MR3G563K	.45	1.00	MR3J563K
.068	.32	.75	MR3D683K	.34	.75	MR3E683K	.40	1.00	MR3G683K	.49	1.00	MR3J683K
.082	.35	.75	MR3D823K	.37	.75	MR3E823K	.43	1.00	MR3G823K	.54	1.25	MR3J823K
.10	.38	.75	MR3D104K	.40	.75	MR3E104K	.47	1.00	MR3G104K	.52	1.25	MR3J104K
.12	.42	.75	MR3D124K	.38	.75	MR3E124K	.51	1.00	MR3G124K	.56	1.50	MR3J124K
.15	.47	.75	MR3D154K	.42	.75	MR3E154K	.56	1.00	MR3G154K	.56	1.50	MR3J154K
.18	.45	1.00	MR3D184K	.45	1.00	MR3E184K	.54	1.25	MR3G184K	.61	1.50	MR3J184K
.22	.49	1.00	MR3D224K	.49	1.00	MR3E224K	.59	1.25	MR3G224K	.67	1.50	MR3J224K
.25	.54	1.00	MR3D254K	.54	1.25	MR3E254K	.59	1.35	MR3G254K	.74	1.75	MR3J254K
.27	.54	1.00	MR3D274K	.54	1.25	MR3E274K	.59	1.35	MR3G274K	.74	1.75	MR3J274K
.33	.59	1.00	MR3D334K	.59	1.25	MR3E334K	.64	1.35	MR3G334K	.74	1.75	MR3J334K
.39	.53	1.00	MR3D394K	.53	1.25	MR3E394K	.69	1.50	MR3G394K	.81	2.00	MR3J394K
.47	.56	1.00	MR3D474K	.53	1.25	MR3E474K	.76	1.50	MR3G474K	.81	2.00	MR3J474K
.50	.49	1.00	MR3D504K	.57	1.25	MR3E504K	.83	1.50	MR3G504K	.81	2.00	MR3J504K
.56	.49	1.25	MR3D564K	.57	1.50	MR3E564K	.83	1.75	MR3G564K	.81	2.25	MR3J564K
.68	.54	1.25	MR3D684K	.62	1.50	MR3E684K	.90	1.75	MR3G684K	.81	2.25	MR3J684K
.75	.58	1.50	MR3D754K	.68	1.75	MR3E754K	.90	2.00	MR3G754K	.81	2.25	MR3J754K
.82	.58	1.50	MR3D824K	.68	1.75	MR3E824K	.90	2.00	MR3G824K	.81	2.25	MR3J824K
1.0	.64	1.50	MR3D105K	.74	1.75	MR3E105K	.90	2.00	MR3G105K	.81	2.25	MR3J105K
1.5	.71	1.50	MR3D155K	.83	2.00	MR3E155K	.90	2.25	MR3G155K	.81	2.75	MR3J155K
2.0	.71	1.75	MR3D205K	.83	2.75	MR3E205K	.90	2.25	MR3G205K	.81	2.75	MR3J205K
3.0	.71	1.75	MR3D305K	.83	2.75	MR3E305K	.90	2.75	MR3G305K	.81	2.75	MR3J305K
5.0	.71	2.75	MR3D505K	.83	2.75	MR3E505K	.90	2.75	MR3G505K	.81	2.75	MR3J505K

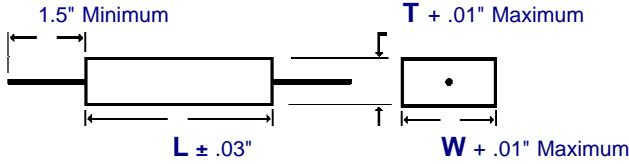
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MYLAR AND FOIL EPOXY CASE, AXIAL LEAD, RECTANGULAR CAPACITORS



ME3
MYLAR & FOIL
EPOXY CASE, AXIAL, RECT.
REGULAR SERIES

DIMENSIONS See tables for specific T, W, L values.



WIRE SIZE (Length 1.5" Minimum)

BODY LENGTH (L)	WIRE SIZE	
	AWG No.	Diameter
≤ 0.67"	24	0.020"
> 0.67" ≤ 1.06"	22	0.025"
> 1.06"	20	0.032"

ORDERING DESCRIPTION

Capacitor, fixed: Mylar (Polyester) dielectric; extended foil construction; tin-plated copper-clad steel wire axial leads; encased in a molded epoxy/plastic shell with epoxy fill.

APPLICATION NOTES

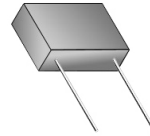
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	T	W	L	PART #	T	W	L	PART #	T	W	L	PART #	T	W	L	PART #
RATING	+ .01"	+ .01"	± .03"		+ .01"	+ .01"	± .03"		+ .01"	+ .01"	± .03"		+ .01"	+ .01"	± .03"	
.001	.17	.29	.57	ME3D102K	.17	.29	.57	ME3E102K	.17	.29	.57	ME3G102K	.17	.29	.57	ME3J102K
.0012	.17	.29	.57	ME3D122K	.17	.29	.57	ME3E122K	.17	.29	.57	ME3G122K	.23	.36	.55	ME3J122K
.0015	.17	.29	.57	ME3D152K	.17	.29	.57	ME3E152K	.17	.29	.57	ME3G152K	.23	.36	.55	ME3J152K
.0018	.17	.29	.57	ME3D182K	.17	.29	.57	ME3E182K	.17	.29	.57	ME3G182K	.23	.36	.55	ME3J182K
.0022	.17	.29	.57	ME3D222K	.17	.29	.57	ME3E222K	.23	.36	.55	ME3G222K	.29	.42	.67	ME3J222K
.0027	.17	.29	.57	ME3D272K	.17	.29	.57	ME3E272K	.23	.36	.55	ME3G272K	.29	.42	.67	ME3J272K
.0033	.17	.29	.57	ME3D332K	.17	.29	.57	ME3E332K	.23	.36	.55	ME3G332K	.29	.42	.67	ME3J332K
.0039	.17	.29	.57	ME3D392K	.17	.29	.57	ME3E392K	.23	.36	.55	ME3G392K	.29	.42	.67	ME3J392K
.0047	.17	.29	.57	ME3D472K	.17	.29	.57	ME3E472K	.29	.42	.67	ME3G472K	.29	.42	.67	ME3J472K
.0056	.17	.29	.57	ME3D562K	.17	.29	.57	ME3E562K	.29	.42	.67	ME3G562K	.29	.42	.67	ME3J562K
.0068	.17	.29	.57	ME3D682K	.23	.36	.57	ME3E682K	.29	.42	.67	ME3G682K	.29	.42	.67	ME3J682K
.0082	.17	.29	.57	ME3D822K	.23	.36	.55	ME3E822K	.29	.42	.67	ME3G822K	.29	.42	.67	ME3J822K
.01	.17	.29	.57	ME3D103K	.23	.36	.55	ME3E103K	.29	.42	.67	ME3G103K	.29	.42	.67	ME3J103K
.012	.23	.36	.55	ME3D123K	.23	.36	.55	ME3E123K	.29	.42	.67	ME3G123K	.29	.42	.75	ME3J123K
.015	.23	.36	.55	ME3D153K	.29	.42	.67	ME3E153K	.29	.42	.67	ME3G153K	.29	.42	.75	ME3J153K
.018	.23	.36	.55	ME3D183K	.29	.42	.67	ME3E183K	.29	.42	.67	ME3G183K	.29	.42	.75	ME3J183K
.022	.23	.36	.55	ME3D223K	.29	.42	.67	ME3E223K	.29	.42	.75	ME3G223K	.29	.42	.88	ME3J223K
.027	.29	.42	.67	ME3D273K	.29	.42	.67	ME3E273K	.29	.42	.75	ME3G273K	.29	.42	1.06	ME3J273K
.033	.29	.42	.67	ME3D333K	.29	.42	.67	ME3E333K	.29	.42	.88	ME3G333K	.29	.42	1.06	ME3J333K
.039	.29	.42	.67	ME3D393K	.29	.42	.67	ME3E393K	.29	.42	.88	ME3G393K	.39	.54	1.04	ME3J393K
.047	.29	.42	.67	ME3D473K	.29	.42	.75	ME3E473K	.29	.42	1.06	ME3G473K	.39	.54	1.04	ME3J473K
.056	.29	.42	.67	ME3D563K	.29	.42	.75	ME3E563K	.29	.42	1.06	ME3G563K	.39	.54	1.04	ME3J563K
.068	.29	.42	.67	ME3D683K	.29	.42	.75	ME3E683K	.39	.54	1.04	ME3G683K	.56	.72	.88	ME3J683K
.082	.29	.42	.75	ME3D823K	.29	.42	.88	ME3E823K	.39	.54	1.04	ME3G823K	.56	.72	.88	ME3J823K
.10	.29	.42	.75	ME3D104K	.29	.42	1.06	ME3E104K	.39	.54	1.04	ME3G104K	.56	.72	1.04	ME3J104K
.12	.29	.42	.75	ME3D124K	.29	.42	1.06	ME3E124K	.56	.72	.88	ME3G124K	.56	.72	1.04	ME3J124K
.15	.29	.42	.88	ME3D154K	.39	.54	1.04	ME3E154K	.56	.72	.88	ME3G154K	.56	.72	1.56	ME3J154K
.18	.29	.42	1.06	ME3D184K	.39	.54	1.04	ME3E184K	.56	.72	1.04	ME3G184K	.56	.72	1.56	ME3J184K
.22	.29	.42	1.06	ME3D224K	.39	.54	1.04	ME3E224K	.56	.72	1.04	ME3G224K	.56	.72	1.56	ME3J224K
.25	.39	.54	1.04	ME3D254K	.56	.72	.88	ME3E254K	.56	.72	1.56	ME3G254K	.56	.72	1.56	ME3J254K
.27	.39	.54	1.04	ME3D274K	.56	.72	.88	ME3E274K	.56	.72	1.56	ME3G274K	.56	.72	1.56	ME3J274K
.33	.39	.54	1.04	ME3D334K	.56	.72	.88	ME3E334K	.56	.72	1.56	ME3G334K	.56	.72	1.90	ME3J334K
.39	.39	.54	1.04	ME3D394K	.56	.72	1.04	ME3E394K	.56	.72	1.56	ME3G394K	.56	.72	1.56	ME3J394K
.47	.56	.72	.88	ME3D474K	.56	.72	1.17	ME3E474K	.56	.72	1.56	ME3G474K	.56	.72	1.56	ME3J474K
.50	.56	.72	.88	ME3D504K	.56	.72	1.17	ME3E504K	.56	.72	1.81	ME3G504K	.56	.72	1.56	ME3J504K
.56	.56	.72	.88	ME3D564K	.56	.72	1.17	ME3E564K	.56	.72	1.81	ME3G564K	.56	.72	1.56	ME3J564K
.68	.56	.72	1.04	ME3D684K	.56	.72	1.56	ME3E684K	.56	.72	1.56	ME3G684K	.56	.72	1.56	ME3J684K
.75	.56	.72	1.04	ME3D754K	.56	.72	1.56	ME3E754K	.56	.72	1.56	ME3G754K	.56	.72	1.56	ME3J754K
.82	.56	.72	1.04	ME3D824K	.56	.72	1.56	ME3E824K	.56	.72	1.56	ME3G824K	.56	.72	1.56	ME3J824K
1.0	.56	.72	1.56	ME3D105K	.56	.72	1.81	ME3E105K	.56	.72	1.81	ME3G105K	.56	.72	1.56	ME3J105K
1.5	.56	.72	1.56	ME3D155K	.56	.72	1.56	ME3E155K	.56	.72	1.56	ME3G155K	.56	.72	1.56	ME3J155K
2.0	.56	.72	1.90	ME3D205K	.56	.72	1.90	ME3E205K	.56	.72	1.90	ME3G205K	.56	.72	1.90	ME3J205K

Note: Replace the last digit **K** with the desired tolerance code from the tolerance table. For an in-between value use the next larger value's dimensions. Custom sizes are readily available. All dimensions are in inches. All +.05" dimension tolerances are Maximum.

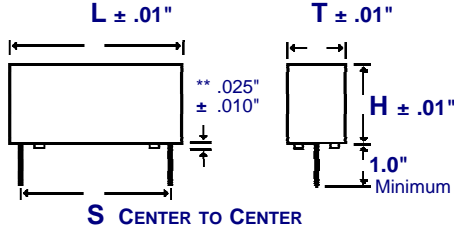
MYLAR AND FOIL EPOXY CASE, RADIAL LEAD, RECTANGULAR CAPACITORS



MF3

MYLAR & FOIL
EPOXY CASE, RADIAL, RECT.
REGULAR SERIES

DIMENSIONS See tables for specific T, H, L, S values.



** The mounting pads consist of two individual pads on each end or one continuous pad on each end, depending on the mold. (Not an option).

WIRE SIZE (Length 1.0" Minimum)

BODY LENGTH (L)	LEAD SPACING (S) (C to C ± .01")	WIRE SIZE	
		AWG No.	Diameter
.42"	.300"	22	0.025"
.55"	.400"	22	0.025"
.67"	.500"	22	0.025"
.82"	.600"	22	0.025"
1.04"	.800"	22	0.025"
1.24"	1.100"	20	0.032"
1.75"	1.600"	20	0.032"

ORDERING DESCRIPTION

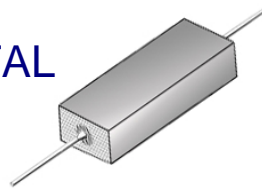
Capacitor, fixed: Mylar (Polyester) dielectric; extended foil construction; tin-plated copper-clad steel wire radial leads; encased in a molded epoxy/plastic shell with epoxy fill.

SELECTION AND ORDERING TABLES Select voltage rating, capacitance and tolerance, read Part Number to the right.

MFD	100VDC 70VAC				200VDC 120VAC				400VDC 160VAC				600VDC 230VAC			
	T		H		L		PART #		T		H		L		PART #	
	+ .01"	+ .01"	± .01"		+ .01"	+ .01"	± .01"		+ .01"	+ .01"	± .01"		+ .01"	+ .01"	± .01"	
.001	.18	.30	.55	MF3D102K	.18	.30	.55	MF3E102K	.18	.30	.55	MF3G102K	.18	.30	.55	MF3J102K
.0012	.18	.30	.55	MF3D122K	.18	.30	.55	MF3E122K	.18	.30	.55	MF3G122K	.18	.30	.55	MF3J122K
.0015	.18	.30	.55	MF3D152K	.18	.30	.55	MF3E152K	.18	.30	.55	MF3G152K	.18	.30	.55	MF3J152K
.0018	.24	.37	.55	MF3D182K	.24	.37	.55	MF3E182K	.24	.37	.55	MF3G182K	.24	.37	.55	MF3J182K
.0022	.24	.37	.55	MF3D222K	.24	.37	.55	MF3E222K	.24	.37	.55	MF3G222K	.24	.37	.55	MF3J222K
.0027	.24	.37	.55	MF3D272K	.24	.37	.55	MF3E272K	.24	.37	.55	MF3G272K	.30	.43	.55	MF3J272K
.0033	.24	.37	.55	MF3D332K	.24	.37	.55	MF3E332K	.24	.37	.55	MF3G332K	.30	.43	.55	MF3J332K
.0039	.24	.37	.55	MF3D392K	.24	.37	.55	MF3E392K	.24	.37	.55	MF3G392K	.30	.43	.55	MF3J392K
.0047	.24	.37	.55	MF3D472K	.24	.37	.55	MF3E472K	.30	.43	.55	MF3G472K	.30	.43	.67	MF3J472K
.0056	.24	.37	.55	MF3D562K	.24	.37	.55	MF3E562K	.30	.43	.55	MF3G562K	.30	.43	.67	MF3J562K
.0068	.24	.37	.55	MF3D682K	.24	.37	.55	MF3E682K	.30	.43	.55	MF3G682K	.30	.43	.67	MF3J682K
.0082	.24	.37	.55	MF3D822K	.30	.43	.55	MF3E822K	.30	.43	.67	MF3G822K	.30	.43	.82	MF3J822K
.01	.24	.37	.55	MF3D103K	.30	.43	.55	MF3E103K	.30	.43	.67	MF3G103K	.30	.43	.82	MF3J103K
.012	.24	.37	.55	MF3D123K	.30	.43	.55	MF3E123K	.30	.43	.67	MF3G123K	.30	.43	.82	MF3J123K
.015	.30	.43	.55	MF3D153K	.30	.43	.67	MF3E153K	.30	.43	.82	MF3G153K	.40	.55	.82	MF3J153K
.018	.30	.43	.55	MF3D183K	.30	.43	.67	MF3E183K	.30	.43	.82	MF3G183K	.40	.55	.82	MF3J183K
.022	.30	.43	.55	MF3D223K	.30	.43	.67	MF3E223K	.30	.43	.82	MF3G223K	.40	.55	.82	MF3J223K
.027	.30	.43	.67	MF3D273K	.30	.43	.82	MF3E273K	.40	.55	.82	MF3G273K	.40	.55	1.04	MF3J273K
.033	.30	.43	.67	MF3D333K	.30	.43	.82	MF3E333K	.40	.55	.82	MF3G333K	.40	.55	1.04	MF3J333K
.039	.30	.43	.67	MF3D393K	.30	.43	.82	MF3E393K	.40	.55	.82	MF3G393K	.40	.55	1.24	MF3J393K
.047	.30	.43	.67	MF3D473K	.40	.55	.82	MF3E473K	.40	.55	1.04	MF3G473K	.40	.55	1.24	MF3J473K
.056	.30	.43	.82	MF3D563K	.40	.55	.82	MF3E563K	.40	.55	1.24	MF3G563K	.57	.73	1.24	MF3J563K
.068	.30	.43	.82	MF3D683K	.40	.55	.82	MF3E683K	.40	.55	1.24	MF3G683K	.57	.73	1.24	MF3J683K
.082	.40	.55	.82	MF3D823K	.40	.55	1.04	MF3E823K	.40	.55	1.24	MF3G823K	.57	.73	1.24	MF3J823K
.10	.40	.55	.82	MF3D104K	.40	.55	1.04	MF3E104K	.57	.73	1.24	MF3G104K	.57	.73	1.75	MF3J104K
.12	.40	.55	.82	MF3D124K	.40	.55	1.24	MF3E124K	.57	.73	1.24	MF3G124K	.57	.73	1.75	MF3J124K
.15	.40	.55	1.04	MF3D154K	.40	.55	1.24	MF3E154K	.57	.73	1.24	MF3G154K	.57	.73	1.75	MF3J154K
.18	.40	.55	1.24	MF3D184K	.57	.73	1.24	MF3E184K	.57	.73	1.75	MF3G184K	.75	.59	1.95	MF3J184K
.22	.40	.55	1.24	MF3D224K	.57	.73	1.24	MF3E224K	.57	.73	1.75	MF3G224K	.75	.75	1.95	MF3J224K
.25	.40	.55	1.24	MF3D254K	.57	.73	1.24	MF3E254K	.57	.73	1.75	MF3G254K	.75	.89	1.95	MF3J254K
.27	.40	.55	1.24	MF3D274K	.57	.73	1.24	MF3E274K	.57	.73	1.75	MF3G274K	.75	.89	1.95	MF3J274K
.33	.57	.73	1.24	MF3D334K	.57	.73	1.75	MF3E334K	.75	.59	1.95	MF3G334K	.75	.99	1.95	MF3J334K
.39	.57	.73	1.24	MF3D394K	.57	.73	1.75	MF3E394K	.75	.75	1.95	MF3G394K	.75	1.09	1.95	MF3J394K
.47	.57	.73	1.24	MF3D474K	.57	.73	1.75	MF3E474K	.75	.89	1.95	MF3G474K	.75	.89	1.95	MF3J474K
.50	.57	.73	1.24	MF3D504K	.75	.59	1.95	MF3E504K	.75	1.09	1.95	MF3G504K	.75	1.09	1.95	MF3J504K
.56	.57	.73	1.24	MF3D564K	.75	.59	1.95	MF3E564K	.75	1.09	1.95	MF3G564K	.75	1.09	1.95	MF3J564K
.68	.57	.73	1.75	MF3D684K	.75	.75	1.95	MF3E684K	.75	.89	1.95	MF3G684K	.75	.89	1.95	MF3J684K
.75	.57	.73	1.75	MF3D754K	.75	.89	1.95	MF3E754K	.75	.89	1.95	MF3G754K	.75	.89	1.95	MF3J754K
.82	.57	.73	1.75	MF3D824K	.75	.89	1.95	MF3E824K	.75	.89	1.95	MF3G824K	.75	.89	1.95	MF3J824K
1.0	.75	.59	1.95	MF3D105K	.75	1.09	1.95	MF3E105K	.75	1.09	1.95	MF3G105K	.75	1.09	1.95	MF3J105K
1.5	.75	.89	1.95	MF3D155K	.75	.89	1.95						.75	.89	1.95	MF3J155K
2.0	.75	1.09	1.95	MF3D205K	.75	1.09	1.95						.75	1.09	1.95	MF3J205K
3.0	.75	.89	1.95	MF3D305K	.75	.89	1.95						.75	.89	1.95	MF3J305K
5.0	.75	.89	1.95	MF3D505K	.75	.89	1.95						.75	.89	1.95	MF3J505K

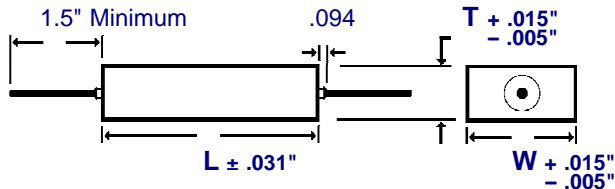
Note: Replace the last digit **K** with the desired tolerance code from the tolerance table. For an in-between value use the next larger value's dimensions. Custom sizes are readily available. All dimensions are in inches. All +.05" dimension tolerances are Maximum.

MYLAR AND FOIL HERMETICALLY SEALED, METAL CASED, RECTANGULAR CAPACITORS



MG3
MYLAR & FOIL
HERMETIC SEAL, RECT.
REGULAR SERIES

DIMENSIONS See tables for specific T, W, L values.



WIRE SIZE (Length 1.5" Minimum)

BODY SIZE (T) x (W)	WIRE SIZE	
	AWG No.	Diameter
.22" x .34"	24	0.020"
.31" x .41"	22	0.025"
.40" x .57" & Larger	20	0.032"

ORDERING DESCRIPTION

Capacitor, fixed: Mylar (Polyester) dielectric; extended foil construction; tin-plated copper-clad steel wire axial leads; encased in a hermetically sealed rectangular tin plated brass tube with soldered glass to metal end seals.

APPLICATION NOTES

Metal encased capacitors are hermetically sealed and meet the moisture resistance, temperature and immersion cycling requirements of MIL-C-19978.

SELECTION AND ORDERING TABLES Select voltage rating, capacitance and tolerance, read Part Number to the right.

MFD	100VDC 70VAC				200VDC 120VAC				400VDC 160VAC				600VDC 230VAC			
	T	W	L	PART #	T	W	L	PART #	T	W	L	PART #	T	W	L	PART #
	+ .015" - .005"	+ .015" - .005"	L ± .031"		+ .015" - .005"	+ .015" - .005"	L ± .031"		+ .015" - .005"	+ .015" - .005"	L ± .031"		+ .015" - .005"	+ .015" - .005"	L ± .031"	
.001	.22	.34	.688	MG3D102K	.22	.34	.688	MG3E102K	.22	.34	.688	MG3G102K	.22	.34	.688	MG3J102K
.0012	.22	.34	.688	MG3D122K	.22	.34	.688	MG3E122K	.22	.34	.688	MG3G122K	.22	.34	.688	MG3J122K
.0015	.22	.34	.688	MG3D152K	.22	.34	.688	MG3E152K	.22	.34	.688	MG3G152K	.22	.34	.688	MG3J152K
.0018	.22	.34	.688	MG3D182K	.22	.34	.688	MG3E182K	.22	.34	.688	MG3G182K	.22	.34	.688	MG3J182K
.0022	.22	.34	.688	MG3D222K	.22	.34	.688	MG3E222K	.22	.34	.688	MG3G222K	.22	.34	.688	MG3J222K
.0027	.22	.34	.688	MG3D272K	.22	.34	.688	MG3E272K	.22	.34	.688	MG3G272K	.22	.34	.688	MG3J272K
.0033	.22	.34	.688	MG3D332K	.22	.34	.688	MG3E332K	.22	.34	.688	MG3G332K	.22	.34	.688	MG3J332K
.0039	.22	.34	.688	MG3D392K	.22	.34	.688	MG3E392K	.22	.34	.688	MG3G392K	.22	.34	.688	MG3J392K
.0047	.22	.34	.688	MG3D472K	.22	.34	.688	MG3E472K	.22	.34	.688	MG3G472K	.22	.34	.688	MG3J472K
.0056	.22	.34	.688	MG3D562K	.22	.34	.688	MG3E562K	.22	.34	.688	MG3G562K	.22	.34	.688	MG3J562K
.0068	.22	.34	.688	MG3D682K	.22	.34	.688	MG3E682K	.22	.34	.688	MG3G682K	.22	.34	.688	MG3J682K
.0082	.22	.34	.688	MG3D822K	.22	.34	.688	MG3E822K	.22	.34	.688	MG3G822K	.22	.34	.688	MG3J822K
.01	.22	.34	.688	MG3D103K	.22	.34	.688	MG3E103K	.22	.34	.688	MG3G103K	.22	.34	.813	MG3J103K
.012	.22	.34	.688	MG3D123K	.22	.34	.688	MG3E123K	.22	.34	.813	MG3G123K	.22	.34	.938	MG3J123K
.015	.22	.34	.688	MG3D153K	.22	.34	.688	MG3E153K	.22	.34	.813	MG3G153K	.22	.34	1.125	MG3J153K
.018	.22	.34	.688	MG3D183K	.22	.34	.688	MG3E183K	.22	.34	.813	MG3G183K	.22	.34	1.125	MG3J183K
.022	.22	.34	.688	MG3D223K	.22	.34	.688	MG3E223K	.22	.34	.938	MG3G223K	.31	.41	.938	MG3J223K
.027	.22	.34	.688	MG3D273K	.22	.34	.688	MG3E273K	.22	.34	.938	MG3G273K	.31	.41	.938	MG3J273K
.033	.22	.34	.688	MG3D333K	.22	.34	.813	MG3E333K	.22	.34	1.125	MG3G333K	.31	.41	1.125	MG3J333K
.039	.22	.34	.688	MG3D393K	.22	.34	.813	MG3E393K	.31	.41	1.125	MG3G393K	.31	.41	1.125	MG3J393K
.047	.22	.34	.813	MG3D473K	.22	.34	.938	MG3E473K	.31	.41	.938	MG3G473K	.31	.41	1.313	MG3J473K
.056	.22	.34	.813	MG3D563K	.22	.34	1.125	MG3E563K	.31	.41	.938	MG3G563K	.31	.41	1.313	MG3J563K
.068	.22	.34	.813	MG3D683K	.22	.34	1.125	MG3E683K	.31	.41	1.125	MG3G683K	.40	.57	1.125	MG3J683K
.082	.22	.34	.938	MG3D823K	.31	.41	.938	MG3E823K	.31	.41	1.313	MG3G823K	.40	.57	1.125	MG3J823K
.10	.22	.34	1.125	MG3D104K	.31	.41	.938	MG3E104K	.40	.57	1.125	MG3G104K	.40	.57	1.313	MG3J104K
.12	.22	.34	1.125	MG3D124K	.31	.41	1.125	MG3E124K	.40	.57	1.125	MG3G124K	.40	.57	1.563	MG3J124K
.15	.31	.41	.938	MG3D154K	.31	.41	1.313	MG3E154K	.40	.57	1.313	MG3G154K	.40	.57	1.813	MG3J154K
.18	.31	.41	.938	MG3D184K	.31	.41	1.313	MG3E184K	.40	.57	1.313	MG3G184K	.50	.65	1.563	MG3J184K
.22	.31	.41	1.125	MG3D224K	.40	.57	1.125	MG3E224K	.40	.57	1.563	MG3G224K	.50	.65	1.813	MG3J224K
.25	.31	.41	1.313	MG3D254K	.40	.57	1.125	MG3E254K	.40	.57	1.813	MG3G254K	.50	.65	2.063	MG3J254K
.27	.31	.41	1.313	MG3D274K	.40	.57	1.125	MG3E274K	.40	.57	1.813	MG3G274K	.50	.65	2.063	MG3J274K
.33	.40	.57	1.125	MG3D334K	.40	.57	1.313	MG3E334K	.50	.65	1.563	MG3G334K	.50	.65	2.313	MG3J334K
.39	.40	.57	1.125	MG3D394K	.40	.57	1.563	MG3E394K	.50	.65	1.813	MG3G394K	.60	.80	1.813	MG3J394K
.47	.40	.57	1.125	MG3D474K	.40	.57	1.813	MG3E474K	.50	.65	2.063	MG3G474K	.60	.80	2.063	MG3J474K
.50	.40	.57	1.125	MG3D504K	.40	.57	1.813	MG3E504K	.50	.65	2.063	MG3G504K	.60	.80	2.063	MG3J504K
.56	.40	.57	1.313	MG3D564K	.40	.57	1.813	MG3E564K	.60	.80	1.813	MG3G564K	.60	.80	2.313	MG3J564K
.68	.40	.57	1.563	MG3D684K	.50	.65	1.563	MG3E684K	.60	.80	1.813	MG3G684K	.60	.80	1.813	MG3J684K
.75	.40	.57	1.563	MG3D754K	.50	.65	1.813	MG3E754K	.60	.80	2.063	MG3G754K	.60	.80	2.063	MG3J754K
.82	.40	.57	1.563	MG3D824K	.50	.65	1.813	MG3E824K	.60	.80	2.063	MG3G824K	.60	.80	2.063	MG3J824K
1.0	.40	.57	1.813	MG3D105K	.50	.65	2.063	MG3E105K	.60	.80	2.313	MG3G105K				
1.5	.50	.65	1.813	MG3D155K	.60	.80	2.063	MG3E155K								
2.0	.50	.65	2.313	MG3D205K												
3.0	.60	.80	2.313	MG3D305K												

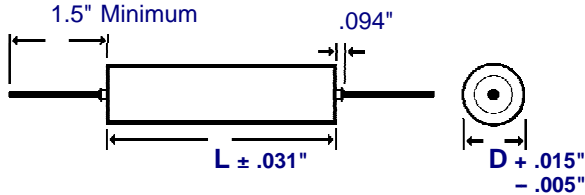
Note: Replace the last digit **K** with the desired tolerance code from the tolerance table. For an in-between value use the next larger value's dimensions. Custom sizes are readily available. All dimensions are in inches. All +.05" dimension tolerances are Maximum.

MYLAR AND FOIL HERMETICALLY SEALED, ROUND, METAL CASED. CAPACITORS



ML3
MYLAR & FOIL
HERMETIC SEAL, ROUND
REGULAR SERIES

DIMENSIONS See tables for specific D, L values.



WIRE SIZE (Length 1.5" Minimum)

BODY DIAMETER (D)	WIRE SIZE	
	AWG No.	Diameter
.175" & .195"	24	0.020"
.235" & .312"	22	0.025"
.400" & Larger	20	0.032"

ORDERING DESCRIPTION

Capacitor, fixed: Mylar (Polyester) dielectric; extended foil construction; tin-plated copper-clad steel wire axial leads; encased in a hermetically sealed round tin plated brass tube with soldered glass to metal end seals.

APPLICATION NOTES

Metal encased capacitors are hermetically sealed and meet the moisture resistance, temperature and immersion cycling requirements of MIL-C-19978.

SELECTION AND ORDERING TABLES Select voltage rating, capacitance and tolerance, read Part Number to the right.

MFD	100VDC 70VAC			200VDC 120VAC			400VDC 160VAC			600VDC 230VAC			
	RATING	D	L	PART #	D	L	PART #	D	L	PART #	D	L	PART #
		+ .015" - .005"	± .031"		+ .015" - .005"	± .031"		+ .015" - .005"	± .031"		+ .015" - .005"	± .031"	
.001	.175	.750	ML3D102K	.175	.750	ML3E102K	.235	.750	ML3G102K	.235	.750	ML3J102K	
.0012	.175	.750	ML3D122K	.175	.750	ML3E122K	.235	.750	ML3G122K	.235	.750	ML3J122K	
.0015	.175	.750	ML3D152K	.175	.750	ML3E152K	.235	.750	ML3G152K	.235	.750	ML3J152K	
.0018	.175	.750	ML3D182K	.175	.750	ML3E182K	.235	.750	ML3G182K	.235	.750	ML3J182K	
.0022	.175	.750	ML3D222K	.175	.750	ML3E222K	.235	.750	ML3G222K	.235	.750	ML3J222K	
.0027	.175	.750	ML3D272K	.175	.750	ML3E272K	.235	.750	ML3G272K	.235	.750	ML3J272K	
.0033	.175	.750	ML3D332K	.175	.750	ML3E332K	.235	.750	ML3G332K	.235	.750	ML3J332K	
.0039	.175	.750	ML3D392K	.175	.750	ML3E392K	.235	.750	ML3G392K	.235	.750	ML3J392K	
.0047	.175	.750	ML3D472K	.175	.750	ML3E472K	.235	.750	ML3G472K	.235	.750	ML3J472K	
.0056	.175	.750	ML3D562K	.175	.750	ML3E562K	.235	.750	ML3G562K	.235	.750	ML3J562K	
.0068	.175	.750	ML3D682K	.175	.750	ML3E682K	.235	.750	ML3G682K	.235	.750	ML3J682K	
.0082	.175	.750	ML3D822K	.195	.750	ML3E822K	.235	.750	ML3G822K	.312	.750	ML3J822K	
.01	.175	.750	ML3D103K	.235	.750	ML3E103K	.235	.875	ML3G103K	.312	.875	ML3J103K	
.012	.175	.750	ML3D123K	.235	.750	ML3E123K	.235	.875	ML3G123K	.312	.875	ML3J123K	
.015	.195	.750	ML3D153K	.235	.750	ML3E153K	.312	.875	ML3G153K	.312	.875	ML3J153K	
.018	.235	.750	ML3D183K	.235	.875	ML3E183K	.312	.875	ML3G183K	.400	.875	ML3J183K	
.022	.235	.750	ML3D223K	.235	.875	ML3E223K	.312	.875	ML3G223K	.400	.875	ML3J223K	
.027	.235	.750	ML3D273K	.312	.875	ML3E273K	.312	.875	ML3G273K	.400	.875	ML3J273K	
.033	.235	.875	ML3D333K	.312	.875	ML3E333K	.400	.875	ML3G333K	.400	1.125	ML3J333K	
.039	.235	.875	ML3D393K	.312	.875	ML3E393K	.400	.875	ML3G393K	.400	1.125	ML3J393K	
.047	.235	.875	ML3D473K	.312	.875	ML3E473K	.400	.875	ML3G473K	.500	1.125	ML3J473K	
.056	.312	.875	ML3D563K	.400	.875	ML3E563K	.400	1.125	ML3G563K	.500	1.125	ML3J563K	
.068	.312	.875	ML3D683K	.400	.875	ML3E683K	.400	1.125	ML3G683K	.500	1.125	ML3J683K	
.082	.312	.875	ML3D823K	.400	.875	ML3E823K	.500	1.125	ML3G823K	.500	1.375	ML3J823K	
.10	.400	.875	ML3D104K	.400	1.125	ML3E104K	.500	1.125	ML3G104K	.500	1.375	ML3J104K	
.12	.400	.875	ML3D124K	.400	1.125	ML3E124K	.500	1.125	ML3G124K	.562	1.375	ML3J124K	
.15	.400	.875	ML3D154K	.400	1.125	ML3E154K	.500	1.375	ML3G154K	.562	1.625	ML3J154K	
.18	.400	1.125	ML3D184K	.500	1.125	ML3E184K	.500	1.375	ML3G184K	.562	1.625	ML3J184K	
.22	.400	1.125	ML3D224K	.500	1.125	ML3E224K	.562	1.375	ML3G224K	.670	1.625	ML3J224K	
.25	.400	1.125	ML3D254K	.500	1.125	ML3E254K	.562	1.625	ML3G254K	.670	1.625	ML3J254K	
.27	.400	1.125	ML3D274K	.500	1.125	ML3E274K	.562	1.625	ML3G274K	.670	1.875	ML3J274K	
.33	.500	1.125	ML3D334K	.500	1.375	ML3E334K	.670	1.625	ML3G334K	.750	1.875	ML3J334K	
.39	.500	1.125	ML3D394K	.562	1.375	ML3E394K	.670	1.625	ML3G394K	.750	1.875	ML3J394K	
.47	.500	1.375	ML3D474K	.562	1.375	ML3E474K	.670	1.625	ML3G474K	.750	2.125	ML3J474K	
.50	.500	1.375	ML3D504K	.562	1.625	ML3E504K	.670	1.875	ML3G504K	1.000	1.875	ML3J504K	
.56	.500	1.375	ML3D564K	.562	1.625	ML3E564K	.670	1.875	ML3G564K	1.000	1.875	ML3J564K	
.68	.562	1.375	ML3D684K	.670	1.625	ML3E684K	.750	1.875	ML3G684K	1.000	1.875	ML3J684K	
.75	.562	1.375	ML3D754K	.670	1.625	ML3E754K	.750	2.125	ML3G754K	1.000	1.875	ML3J754K	
.82	.562	1.625	ML3D824K	.670	1.625	ML3E824K	.750	2.125	ML3G824K	1.000	2.125	ML3J824K	
1.0	.562	1.625	ML3D105K	.670	1.875	ML3E105K	1.000	1.875	ML3G105K	1.000	2.375	ML3J105K	
1.5	.670	1.625	ML3D155K	.750	2.125	ML3E155K	1.000	2.125	ML3G155K				
2.0	.750	1.875	ML3D205K	1.000	1.875	ML3E205K	1.000	2.625	ML3G205K				
3.0	1.000	1.875	ML3D305K	1.000	2.125	ML3E305K							
5.0	1.000	2.125	ML3D505K										

Note: Replace the last digit **K** with the desired tolerance code from the tolerance table. For an in-between value use the next larger value's dimensions. Custom sizes are readily available. All dimensions are in inches. All +.05" dimension tolerances are Maximum.

MYLAR AND FOIL CAPACITORS PARAMETRIC TREND CURVES AND ACCEPTANCE CRITERIA



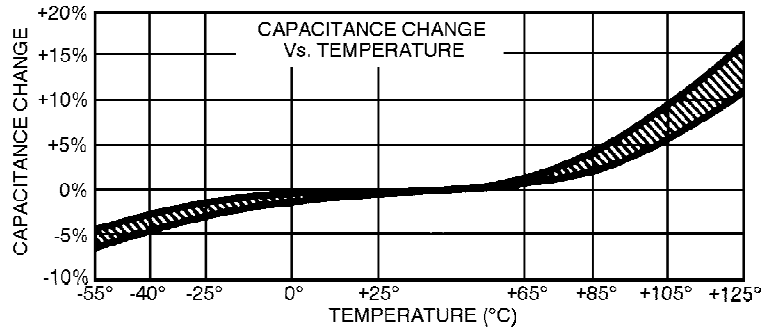
CAPACITANCE

Reference MIL-STD-202, Method 305
Test Frequency: 1000 Hz
Temperature: +25°C

Capacitance Change Over
Temperature.

Acceptance Limits:

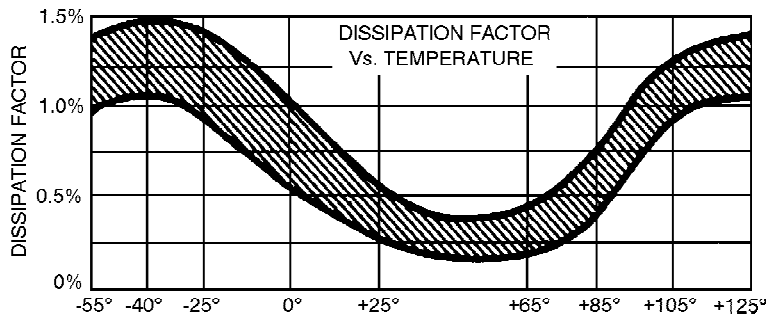
- @ -55°C = -7% Maximum Change
- @ +85°C = +5% Maximum Change
- @ +125°C = +16% Maximum Change



DISSIPATION FACTOR

Reference MIL-STD-202,
Method 306
Test Frequency: 1000 Hz
Temperature: +25°C

Acceptance Limit: 0.60% Maximum

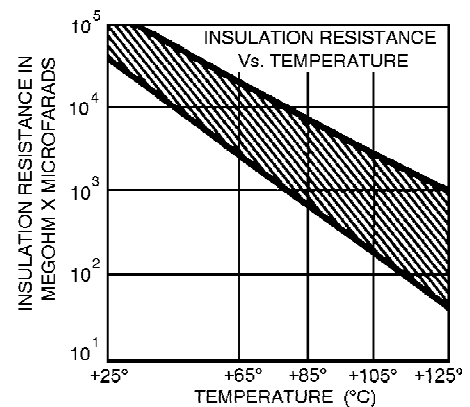


INSULATION RESISTANCE

Reference MIL-STD-202, Method 302
Electrification shall be at rated voltage
or 500 VDC, whichever is less and for
a time not greater than 2 minutes.

Acceptance Limits:

Test Temperature	Megs x μ f Minimum	Megohms Need not exceed
@ +25°C	50,000	100,000
@ +85°C	500	10,000
@ +125°C	50	1,000



VOLTAGE RATING

100% of listed voltage rating from -55°C to +85°C, derate linearly to 50% of the listed voltage rating at +125°C.

VOLTAGE TEST

Reference MIL-STD-202, Method 301. Surge current is limited to 1 ampere maximum. Voltage applied for 1 minute (maximum) @ +25°C. Ground test is performed terminal to case (where the case is not a terminal) at 200% of the DC voltage rating. Dielectric strength test is performed terminal to terminal at 200% of the DC voltage rating.