

# POLYESTER

## MD Series



**Streamline**  
Avionics, Inc.

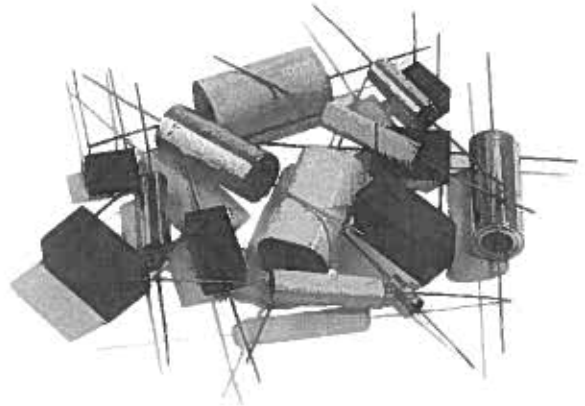
17672 Armstrong Avenue,  
Irvine, California 92614

**MD Series Polyester-Film-Foil capacitors are excellent for high current and high frequency applications where self-healing is not required. They are ideal for high frequency pulse circuits where the foil layer minimizes the capacitor heating effect. MD Series possess good insulation resistance and stability, and they are one of the least expensive industrial-grade capacitors available.**

# POLYESTER FILM-FOIL

## MD Series

- ▶ Excellent For High Current/High Frequency
- ▶ Ideal For Pulse Circuits
- ▶ Low Cost



## Performance Characteristics

**Temperature Range:**  $-55^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  at full rated voltage, derated linearly from  $+85^{\circ}\text{C}$  to 50% at  $+125^{\circ}\text{C}$

**Dissipation Factor @  $+25^{\circ}\text{C}$ :** 0.8% Maximum @ 1Khz

**Insulation Resistance @  $+25^{\circ}\text{C}$ :** Measured at rated voltage or 100VDC, whichever is less, after 2 minutes electrification

MEGOHMS X MICROFARAD	MEGOHMS (need not exceed)
50,000	100,000

**Dielectric Strength: Terminal to terminal:**  
Shall withstand without damage 200% of rated voltage for 60 seconds through a limiting resistance of 100 ohms/volt.

**Terminal to case:**  
Shall withstand without damage 200% of rated voltage for 60 seconds through a limiting resistance of 100 ohms/volt.

**Dielectric Absorption @  $+25^{\circ}\text{C}$ :** 0.2% to 1.0%  
Varies with configuration, temperature and humidity.

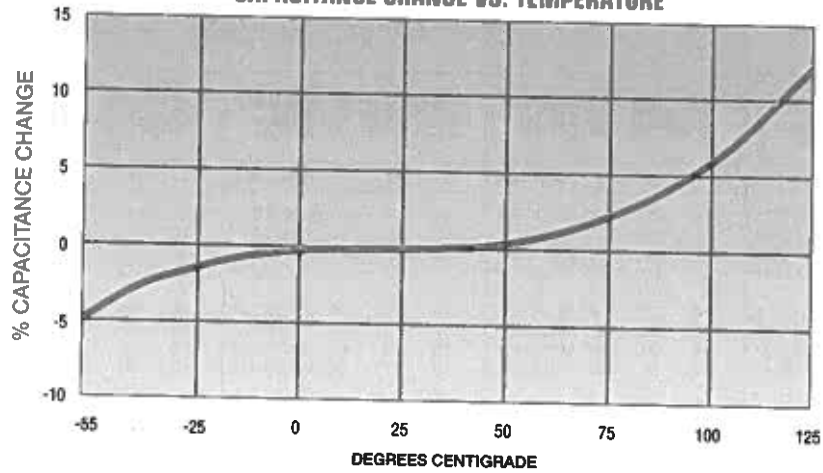
**D.C. Life Test:** Will withstand 140% of rated voltage for 250 hours @  $+125^{\circ}\text{C}$ .

**Temperature Coefficient:** 960 PPM/ $^{\circ}\text{C}$  (Non-Linear)

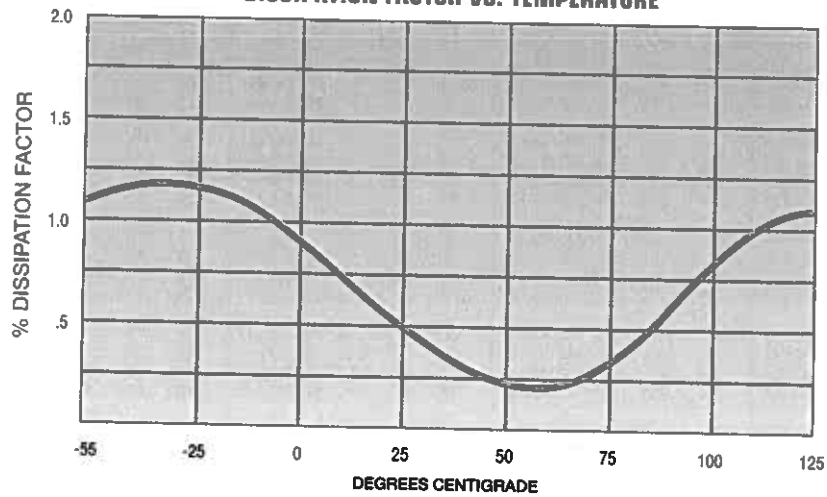
# CURVES VS. TEMPERATURE

## MD Series

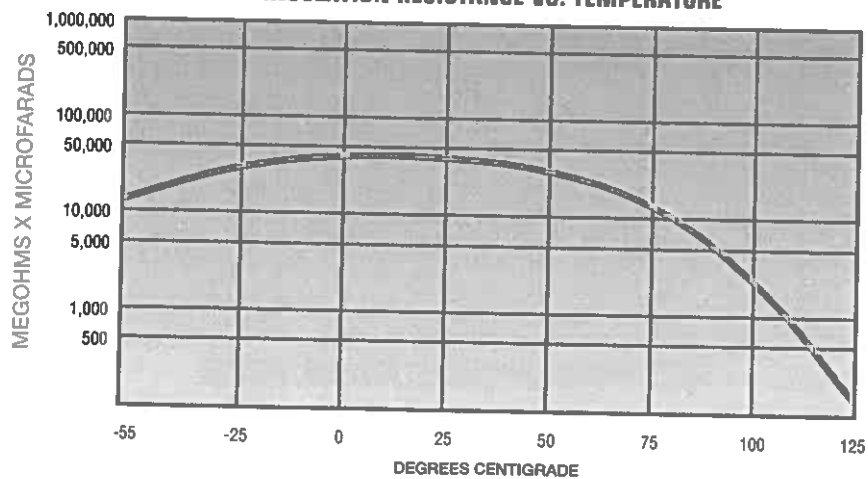
### CAPACITANCE CHANGE VS. TEMPERATURE



### DISSIPATION FACTOR VS. TEMPERATURE



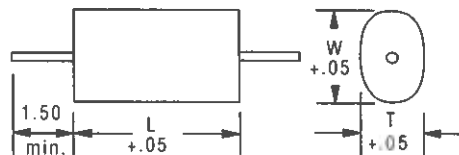
### INSULATION RESISTANCE VS. TEMPERATURE



# POLYESTER FILM-FOIL

## MD Series — Oval Wrap & Fill

LEAD SIZE		
CASE LENGTH	A.W.G.	LEAD DIA.
.58 thru .71	No. 24	.020
.84 thru 1.25	No. 22	.025
1.50 thru 2.25	No. 20	.032



MFD	50 VDC				100 VDC				200 VDC				400 VDC				600 VDC			
	T	W	L	PART NO.	T	W	L	PART NO.	T	W	L	PART NO.	T	W	L	PART NO.	T	W	L	PART NO.
.001	.10	.20	.58	MD5A102*	.10	.20	.58	MD1A102*	.10	.20	.58	MD2A102*	.10	.20	.58	MD4A102*	.10	.20	.58	MD6A102*
.0012	.10	.20	.58	MD5A122*	.10	.20	.58	MD1A122*	.10	.20	.58	MD2A122*	.10	.20	.58	MD4A122*	.10	.20	.58	MD6A122*
.0015	.10	.20	.58	MD5A152*	.10	.20	.58	MD1A152*	.10	.20	.58	MD2A152*	.10	.20	.58	MD4A152*	.10	.20	.58	MD6A152*
.0018	.10	.20	.58	MD5A182*	.10	.20	.58	MD1A182*	.10	.20	.58	MD2A182*	.10	.20	.58	MD4A182*	.10	.20	.58	MD6A182*
.0022	.10	.20	.58	MD5A222*	.10	.20	.58	MD1A222*	.10	.20	.58	MD2A222*	.10	.20	.58	MD4A222*	.10	.20	.58	MD6A222*
.0027	.10	.20	.58	MD5A272*	.10	.20	.58	MD1A272*	.10	.20	.58	MD2A272*	.10	.20	.58	MD4A272*	.10	.20	.58	MD6A272*
.0033	.10	.20	.58	MD5A332*	.10	.20	.58	MD1A332*	.10	.20	.58	MD2A332*	.10	.20	.58	MD4A332*	.13	.23	.58	MD6A332*
.0039	.10	.20	.58	MD5A392*	.10	.20	.58	MD1A392*	.10	.20	.58	MD2A392*	.10	.20	.58	MD4A392*	.14	.23	.58	MD6A392*
.0047	.10	.20	.58	MD5A472*	.10	.20	.58	MD1A472*	.10	.20	.58	MD2A472*	.12	.21	.58	MD4A472*	.15	.24	.58	MD6A472*
.0056	.10	.20	.58	MD5A562*	.10	.20	.58	MD1A562*	.10	.20	.58	MD2A562*	.14	.23	.58	MD4A562*	.13	.23	.71	MD6A562*
.0068	.10	.20	.58	MD5A682*	.10	.20	.58	MD1A682*	.10	.20	.58	MD2A682*	.15	.24	.58	MD4A682*	.14	.24	.71	MD6A682*
.0082	.10	.20	.58	MD5A822*	.10	.20	.58	MD1A822*	.12	.21	.58	MD2A822*	.11	.20	.71	MD4A822*	.16	.26	.71	MD6A822*
.01	.10	.20	.58	MD5A103*	.10	.20	.58	MD1A103*	.13	.23	.58	MD2A103*	.13	.21	.71	MD4A103*	.18	.28	.71	MD6A103*
.012	.10	.20	.58	MD5A123*	.10	.20	.58	MD1A123*	.15	.24	.58	MD2A123*	.15	.23	.71	MD4A123*	.20	.30	.71	MD6A123*
.015	.12	.21	.58	MD5A153*	.12	.21	.58	MD1A153*	.12	.20	.71	MD2A153*	.16	.26	.71	MD4A153*	.23	.33	.71	MD6A153*
.018	.15	.23	.58	MD5A183*	.15	.23	.58	MD1A183*	.13	.21	.71	MD2A183*	.18	.28	.71	MD4A183*	.21	.31	.84	MD6A183*
.022	.11	.21	.71	MD5A223*	.11	.21	.71	MD1A223*	.15	.23	.71	MD2A223*	.20	.30	.71	MD4A223*	.24	.33	.84	MD6A223*
.027	.12	.22	.71	MD5A273*	.12	.22	.71	MD1A273*	.17	.25	.71	MD2A273*	.23	.33	.71	MD4A273*	.26	.35	.84	MD6A273*
.033	.14	.22	.71	MD5A333*	.14	.22	.71	MD1A333*	.19	.28	.71	MD2A333*	.26	.36	.71	MD4A333*	.23	.37	.98	MD6A333*
.039	.14	.26	.71	MD5A393*	.14	.26	.71	MD1A393*	.20	.30	.71	MD2A393*	.22	.33	.84	MD4A393*	.25	.38	.98	MD6A393*
.047	.16	.28	.71	MD5A473*	.16	.28	.71	MD1A473*	.22	.33	.71	MD2A473*	.25	.36	.84	MD4A473*	.28	.42	.98	MD6A473*
.056	.18	.30	.71	MD5A563*	.18	.30	.71	MD1A563*	.25	.36	.71	MD2A563*	.23	.33	.98	MD4A563*	.32	.47	.98	MD6A563*
.068	.20	.33	.71	MD5A683*	.20	.33	.71	MD1A683*	.22	.33	.84	MD2A683*	.27	.36	.98	MD29683*	.35	.48	.98	MD6A683*
.082	.23	.35	.71	MD5A823*	.23	.35	.71	MD1A823*	.25	.36	.84	MD2A823*	.29	.40	.98	MD4A823*	.32	.45	1.25	MD6A823*
.1	.26	.36	.71	MD5A104*	.26	.36	.71	MD1A104*	.24	.33	.98	MD2A104*	.33	.46	.98	MD4A104*	.35	.48	1.25	MD6A104*
.12	.23	.36	.84	MD5A124*	.23	.36	.84	MD1A124*	.27	.36	.98	MD2A124*	.29	.40	1.25	MD4A124*	.31	.47	1.50	MD6A124*
.15	.26	.36	.84	MD5A154*	.26	.36	.84	MD1A154*	.30	.43	.98	MD2A154*	.33	.46	1.25	MD4A154*	.35	.52	1.50	MD6A154*
.18	.25	.35	.98	MD5A184*	.25	.35	.98	MD1A184*	.33	.46	.98	MD2A184*	.30	.43	1.50	MD4A184*	.39	.56	1.50	MD6A184*
.22	.27	.46	.98	MD5A224*	.27	.46	.98	MD1A224*	.30	.43	1.25	MD2A224*	.34	.46	1.50	MD4A224*	.44	.63	1.50	MD6A224*
.27	.31	.43	.98	MD5A274*	.31	.43	.98	MD1A274*	.34	.46	1.25	MD2A274*	.39	.50	1.50	MD4A274*	.44	.63	1.75	MD6A274*
.33	.28	.41	1.25	MD5A334*	.28	.41	1.25	MD1A334*	.32	.45	1.50	MD2A334*	.43	.56	1.50	MD4A334*	.50	.69	1.75	MD6A334*
.39	.31	.43	1.25	MD5A394*	.31	.43	1.25	MD1A394*	.34	.46	1.50	MD2A394*	.48	.60	1.50	MD4A394*	.47	.69	2.00	MD6A394*
.47	.34	.46	1.25	MD5A474*	.34	.46	1.25	MD1A474*	.31	.51	1.50	MD2A474*	.47	.60	1.75	MD4A474*	.52	.75	2.00	MD6A474*
.56	.30	.43	1.50	MD5A564*	.30	.43	1.50	MD1A564*	.41	.53	1.50	MD2A564*	.52	.63	1.75	MD4A564*	.55	.74	2.25	MD6A564*
.68	.34	.46	1.50	MD5A684*	.34	.46	1.50	MD1A684*	.47	.60	1.50	MD2A684*	.54	.65	1.75	MD4A684*	.62	.80	2.25	MD6A684*
.82	.38	.50	1.50	MD5A824*	.38	.50	1.50	MD1A824*	.46	.58	1.75	MD2A824*	.60	.86	1.75	MD4A824*	.65	.84	2.25	MD6A824*
1.0	.43	.53	1.50	MD5A105*	.43	.53	1.50	MD1A105*	.51	.63	1.75	MD2A105*	.50	1.05	1.75	MD4A105*	.77	.94	2.25	MD6A105*
1.5	.48	.60	1.75	MD5A155*	.48	.60	1.75	MD1A155*	.51	.75	2.00	MD2A155*	.76	.92	2.00	MD4A155*				
2.0	.56	.70	1.75	MD5A205*	.56	.70	1.75	MD1A205*	.61	.90	2.00	MD2A205*	.89	1.05	2.00	MD4A205*				
3.0	.66	.82	1.75	MD5A305*	.66	.82	1.75	MD1A305*	.77	1.05	2.00	MD2A305*								
4.0	.82	1.05	1.75	MD5A405*	.82	1.05	1.75	MD1A405*												
5.0	.80	1.00	2.00	MD5A505*	.80	1.00	2.00	MD1A505*												

\* Add Tolerance Code

### How To Order

(Add tolerance code to part number, and options, if required):

MD 5 A 103 K -1

### SERIES

VOLTAGE: 5=50V 1=100V 2=200V 4=400V 6=600V

STYLE: (WRAP AND FILL, OVAL, AXIAL)

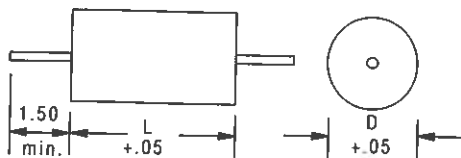
OPTIONS: -1=ADD CLEAR SLEEVE /R=TAPE AND REEL

TOLERANCE CODE: F=1% G=2% H=3% J=5% K=10% M=20%

CAPACITANCE CODE (EIA STANDARD)

# POLYESTER FILM-FOIL

## Round Wrap & Fill — MD Series



LEAD SIZE		
CASE LENGTH	A.W.G.	LEAD DIA.
.58 thru .71	No. 24	.020
.84 thru 1.25	No. 22	.025
1.50 thru 2.25	No. 20	.032

MFD	50 VDC			100 VDC			200 VDC			400 VDC			600 VDC		
	D	L	PART NO.	D	L	PART NO.	D	L	PART NO.	D	L	PART NO.	D	L	PART NO.
.001	.15	.58	MD5B102*	.15	.58	MD1B102*	.15	.58	MD2B102*	.15	.58	MD4B102*	.15	.58	MD6B102*
.0012	.15	.58	MD5B122*	.15	.58	MD1B122*	.15	.58	MD2B122*	.15	.58	MD4B122*	.15	.58	MD6B122*
.0015	.15	.58	MD5B152*	.15	.58	MD1B152*	.15	.58	MD2B152*	.15	.58	MD4B152*	.15	.58	MD6B152*
.0018	.15	.58	MD5B182*	.15	.58	MD1B182*	.15	.58	MD2B182*	.15	.58	MD4B182*	.15	.58	MD6B182*
.0022	.15	.58	MD5B222*	.15	.58	MD1B222*	.15	.58	MD2B222*	.15	.58	MD4B222*	.15	.58	MD6B222*
.0027	.15	.58	MD5B272*	.15	.58	MD1B272*	.15	.58	MD2B272*	.15	.58	MD4B272*	.15	.58	MD6B272*
.0033	.15	.58	MD5B332*	.15	.58	MD1B332*	.15	.58	MD2B332*	.15	.58	MD4B332*	.18	.58	MD6B332*
.0039	.15	.58	MD5B392*	.15	.58	MD1B392*	.15	.58	MD2B392*	.16	.58	MD4B392*	.19	.58	MD6B392*
.0047	.15	.58	MD5B472*	.15	.58	MD1B472*	.16	.58	MD2B472*	.17	.58	MD4B472*	.20	.58	MD6B472*
.0056	.15	.58	MD5B562*	.15	.58	MD1B562*	.16	.58	MD2B562*	.18	.58	MD4B562*	.18	.71	MD6B562*
.0068	.15	.58	MD5B682*	.15	.58	MD1B682*	.16	.58	MD2B682*	.19	.58	MD4B682*	.19	.71	MD6B682*
.0082	.15	.58	MD5B822*	.15	.58	MD1B822*	.17	.58	MD2B822*	.16	.71	MD4B822*	.21	.71	MD6B822*
.01	.15	.58	MD5B103*	.15	.58	MD1B103*	.19	.58	MD2B103*	.18	.71	MD4B103*	.23	.71	MD6B103*
.012	.16	.58	MD5B123*	.16	.58	MD1B123*	.20	.58	MD2B123*	.20	.71	MD4B123*	.25	.71	MD6B123*
.015	.18	.58	MD5B153*	.18	.58	MD1B153*	.17	.71	MD2B153*	.21	.71	MD4B153*	.28	.71	MD6B153*
.018	.20	.58	MD5B183*	.20	.58	MD1B183*	.18	.71	MD2B183*	.23	.71	MD4B183*	.26	.84	MD6B183*
.022	.16	.71	MD5B223*	.16	.71	MD1B223*	.20	.71	MD2B223*	.26	.71	MD4B223*	.29	.84	MD6B223*
.027	.17	.71	MD5B273*	.17	.71	MD1B273*	.22	.71	MD2B273*	.29	.71	MD4B273*	.31	.84	MD6B273*
.033	.19	.71	MD5B333*	.19	.71	MD1B333*	.24	.71	MD2B333*	.31	.71	MD4B333*	.31	.98	MD6B333*
.039	.20	.71	MD5B393*	.20	.71	MD1B393*	.26	.71	MD2B393*	.29	.84	MD4B393*	.33	.98	MD6B393*
.047	.22	.71	MD5B473*	.22	.71	MD1B473*	.28	.71	MD2B473*	.32	.84	MD4B473*	.36	.98	MD6B473*
.056	.24	.71	MD5B563*	.24	.71	MD1B563*	.30	.71	MD2B563*	.32	.98	MD4B563*	.40	.98	MD6B563*
.068	.26	.71	MD5B683*	.26	.71	MD1B683*	.30	.84	MD2B683*	.34	.98	MD4B683*	.43	.98	MD6B683*
.082	.28	.71	MD5B823*	.28	.71	MD1B823*	.32	.84	MD2B823*	.37	.98	MD4B823*	.40	1.25	MD6B823*
.1	.31	.71	MD5B104*	.31	.71	MD1B104*	.31	.98	MD2B104*	.41	.98	MD4B104*	.43	1.25	MD6B104*
.12	.30	.84	MD5B124*	.30	.84	MD1B124*	.33	.98	MD2B124*	.37	1.25	MD4B124*	.42	1.50	MD6B124*
.15	.33	.84	MD5B154*	.33	.84	MD1B154*	.36	.98	MD2B154*	.41	1.25	MD4B154*	.46	1.50	MD6B154*
.18	.32	.98	MD5B184*	.32	.98	MD1B184*	.40	.98	MD2B184*	.38	1.50	MD4B184*	.50	1.50	MD6B184*
.22	.35	.98	MD5B224*	.35	.98	MD1B224*	.38	1.25	MD2B224*	.43	1.50	MD4B224*	.55	1.50	MD6B224*
.27	.39	.98	MD5B274*	.39	.98	MD1B274*	.41	1.25	MD2B274*	.47	1.50	MD4B274*	.55	1.75	MD6B274*
.33	.36	1.25	MD5B334*	.36	1.25	MD1B334*	.39	1.50	MD2B334*	.51	1.50	MD4B334*	.61	1.75	MD6B334*
.39	.39	1.25	MD5B394*	.39	1.25	MD1B394*	.42	1.50	MD2B394*	.56	1.50	MD4B394*	.61	2.00	MD6B394*
.47	.43	1.25	MD5B474*	.43	1.25	MD1B474*	.45	1.50	MD2B474*	.55	1.75	MD4B474*	.66	2.00	MD6B474*
.56	.39	1.50	MD5B564*	.39	1.50	MD1B564*	.49	1.50	MD2B564*	.60	1.75	MD4B564*	.66	2.25	MD6B564*
.68	.42	1.50	MD5B684*	.42	1.50	MD1B684*	.54	1.50	MD2B684*	.65	1.75	MD4B684*	.73	2.25	MD6B684*
.82	.44	1.50	MD5B824*	.44	1.50	MD1B824*	.53	1.75	MD2B824*	.71	1.75	MD4B824*	.76	2.25	MD6B824*
1.0	.47	1.50	MD5B105*	.47	1.50	MD1B105*	.60	1.75	MD2B105*	.76	1.75	MD4B105*	.88	2.25	MD6B105*
1.5	.56	1.75	MD5B155*	.56	1.75	MD1B155*	.68	2.00	MD2B155*	.87	2.00	MD4B155*			
2.0	.64	1.75	MD5B205*	.64	1.75	MD1B205*	.83	2.00	MD2B205*	1.00	2.00	MD4B205*			
3.0	.74	1.75	MD5B305*	.74	1.75	MD1B305*	.98	2.00	MD2B305*						
4.0	.90	1.75	MD5B405*	.90	1.75	MD1B405*									
5.0	.91	2.00	MD5B505*	.91	2.00	MD1B505*									

\* Add Tolerance Code

### How To Order

(Add tolerance code to part number, and options, if required):

**MD 5 B 103 K -1**

### SERIES

VOLTAGE: 5=50V 1=100V 2=200V 4=400V 6=600V

STYLE: (WRAP AND FILL, ROUND, AXIAL)

OPTIONS: -1=ADD CLEAR SLEEVE /R=TAPE AND REEL

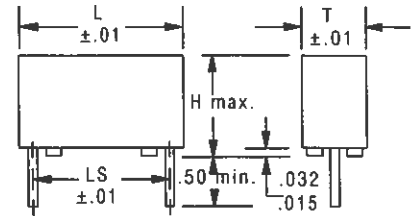
TOLERANCE CODE: F=1% G=2% H=3% J=5% K=10% M=20%

CAPACITANCE CODE (EIA STANDARD)

# POLYESTER FILM-FOIL

## MD Series — Molded Box, Radial

LEAD SPACING AND SIZE					
DIM. L	DIM. LS	A.W.G.	DIM. L	DIM. LS	A.W.G.
.42	.30	No. 22	1.04	.80	No. 22
.55	.40	No. 22	1.24	1.10	No. 20
.67	.50	No. 22	1.75	1.60	No. 20
.82	.60	No. 22	1.95	1.80	No. 18



MFD	50 VDC				100 VDC				200 VDC				400 VDC				600 VDC			
	T	H	L	PART NO.	T	H	L	PART NO.	T	H	L	PART NO.	T	H	L	PART NO.	T	H	L	PART NO.
.001	.16	.33	.55	MD5R102*	.16	.33	.55	MD1R102*	.16	.33	.55	MD2R102*	.16	.33	.55	MD4R102*	.16	.33	.55	MD6R102*
.0012	.16	.33	.55	MD5R122*	.16	.33	.55	MD1R122*	.16	.33	.55	MD2R122*	.16	.33	.55	MD4R122*	.16	.33	.55	MD6R122*
.0015	.16	.33	.55	MD5R152*	.16	.33	.55	MD1R152*	.16	.33	.55	MD2R152*	.16	.33	.55	MD4R152*	.16	.33	.55	MD6R152*
.0018	.16	.33	.55	MD5R182*	.16	.33	.55	MD1R182*	.16	.33	.55	MD2R182*	.16	.33	.55	MD4R182*	.16	.33	.55	MD6R182*
.0022	.16	.33	.55	MD5R222*	.16	.33	.55	MD1R222*	.16	.33	.55	MD2R222*	.16	.33	.55	MD4R222*	.16	.33	.55	MD6R222*
.0027	.16	.33	.55	MD5R272*	.16	.33	.55	MD1R272*	.16	.33	.55	MD2R272*	.16	.33	.55	MD4R272*	.16	.33	.55	MD6R272*
.0033	.16	.33	.55	MD5R332*	.16	.33	.55	MD1R332*	.16	.33	.55	MD2R332*	.16	.33	.55	MD4R332*	.18	.33	.55	MD6R332*
.0039	.16	.33	.55	MD5R392*	.16	.33	.55	MD1R392*	.16	.33	.55	MD2R392*	.16	.33	.55	MD4R392*	.24	.40	.55	MD6R392*
.0047	.16	.33	.55	MD5R472*	.16	.33	.55	MD1R472*	.16	.33	.55	MD2R472*	.16	.33	.55	MD4R472*	.24	.40	.55	MD6R472*
.0056	.16	.33	.55	MD5R562*	.16	.33	.55	MD1R562*	.16	.33	.55	MD2R562*	.18	.33	.55	MD4R562*	.30	.46	.55	MD6R562*
.0068	.16	.33	.55	MD5R682*	.16	.33	.55	MD1R682*	.16	.33	.55	MD2R682*	.24	.40	.55	MD4R682*	.30	.46	.55	MD6R682*
.0082	.16	.33	.55	MD5R822*	.16	.33	.55	MD1R822*	.16	.33	.55	MD2R822*	.24	.40	.55	MD4R822*	.30	.46	.55	MD6R822*
.01	.16	.33	.55	MD5R103*	.16	.33	.55	MD1R103*	.18	.33	.55	MD2R103*	.24	.40	.55	MD4R103*	.30	.46	.55	MD6R103*
.012	.16	.33	.55	MD5R123*	.16	.33	.55	MD1R123*	.24	.40	.55	MD2R123*	.30	.46	.55	MD4R123*	.30	.46	.67	MD6R123*
.015	.18	.33	.55	MD5R153*	.16	.33	.55	MD1R153*	.24	.40	.55	MD2R153*	.30	.46	.67	MD4R153*	.30	.46	.82	MD6R153*
.018	.18	.33	.55	MD5R183*	.18	.33	.55	MD1R183*	.24	.40	.55	MD2R183*	.30	.46	.67	MD4R183*	.30	.46	.82	MD6R183*
.022	.24	.40	.55	MD5R223*	.24	.40	.55	MD1R223*	.30	.46	.55	MD2R223*	.30	.46	.67	MD4R223*	.40	.58	.82	MD6R223*
.027	.24	.40	.55	MD5R273*	.24	.40	.55	MD1R273*	.30	.46	.55	MD2R273*	.30	.46	.67	MD4R273*	.40	.58	.82	MD6R273*
.033	.30	.46	.55	MD5R333*	.30	.46	.55	MD1R333*	.30	.46	.67	MD2R333*	.30	.46	.82	MD4R333*	.40	.58	.82	MD6R333*
.039	.30	.46	.55	MD5R393*	.30	.46	.55	MD1R393*	.30	.46	.67	MD2R393*	.30	.46	.82	MD4R393*	.40	.58	1.04	MD6R393*
.047	.30	.46	.55	MD5R473*	.30	.46	.55	MD1R473*	.30	.46	.67	MD2R473*	.40	.58	.82	MD4R473*	.40	.58	1.04	MD6R473*
.056	.30	.46	.67	MD5R563*	.30	.46	.67	MD1R563*	.30	.46	.82	MD2R563*	.40	.58	.82	MD4R563*	.40	.58	1.04	MD6R563*
.068	.30	.46	.67	MD5R683*	.30	.46	.67	MD1R683*	.30	.46	.82	MD2R683*	.40	.58	.82	MD4R683*	.40	.58	1.24	MD6R683*
.082	.30	.46	.67	MD5R823*	.30	.46	.67	MD1R823*	.40	.58	.82	MD2R823*	.40	.58	1.04	MD4R823*	.40	.58	1.24	MD6R823*
.1	.30	.46	.82	MD5R104*	.30	.46	.82	MD1R104*	.40	.58	.82	MD2R104*	.40	.58	1.24	MD4R104*	.57	.76	1.24	MD6R104*
.12	.30	.46	.82	MD5R124*	.30	.46	.82	MD1R124*	.40	.58	.82	MD2R124*	.40	.58	1.24	MD4R124*	.57	.76	1.24	MD6R124*
.15	.40	.58	.82	MD5R154*	.40	.58	.82	MD1R154*	.40	.58	1.04	MD2R154*	.40	.58	1.24	MD4R154*	.57	.76	1.24	MD6R154*
.18	.40	.58	.82	MD5R184*	.40	.58	.82	MD1R184*	.40	.58	1.04	MD2R184*	.57	.76	1.24	MD4R184*	.57	.76	1.75	MD6R184*
.22	.40	.58	1.04	MD5R224*	.40	.58	1.04	MD1R224*	.40	.58	1.24	MD2R224*	.57	.76	1.24	MD4R224*	.57	.76	1.75	MD6R224*
.27	.40	.58	1.04	MD5R274*	.40	.58	1.04	MD1R274*	.40	.58	1.24	MD2R274*	.57	.76	1.24	MD4R274*	.57	.76	1.75	MD6R274*
.33	.40	.58	1.24	MD5R334*	.40	.58	1.24	MD1R334*	.57	.76	1.24	MD2R334*	.57	.76	1.75	MD4R334*	.75	.76	1.95	MD6R334*
.39	.40	.58	1.24	MD5R394*	.40	.58	1.24	MD1R394*	.57	.76	1.24	MD2R394*	.57	.76	1.75	MD4R394*	.75	.76	1.95	MD6R394*
.47	.57	.76	1.24	MD5R474*	.57	.76	1.24	MD1R474*	.57	.76	1.75	MD2R474*	.57	.76	1.75	MD4R474*	.75	.90	1.95	MD6R474*
.56	.57	.76	1.24	MD5R564*	.57	.76	1.24	MD1R564*	.57	.76	1.75	MD2R564*	.75	.76	1.95	MD4R564*	.75	1.00	1.95	MD6R564*
.68	.57	.76	1.24	MD5R684*	.57	.76	1.24	MD1R684*	.57	.76	1.75	MD2R684*	.75	.76	1.95	MD4R684*				
.82	.57	.76	1.75	MD5R824*	.57	.76	1.75	MD1R824*	.57	.76	1.75	MD2R824*	.75	.76	1.95	MD4R824*				
1.0	.57	.76	1.75	MD5R105*	.57	.76	1.75	MD1R105*	.75	.76	1.95	MD2R105*	.75	.90	1.95	MD4R105*				
1.5	.75	.76	1.95	MD5R155*	.75	.76	1.95	MD1R155*	.75	.90	1.95	MD2R155*								
2.0	.75	.76	1.95	MD5R205*	.75	.76	1.95	MD1R205*	.75	1.00	1.95	MD2R205*								
3.0	.75	.90	1.95	MD5R305*	.75	.90	1.95	MD1R305*												

\* Add Tolerance Code

### How To Order

(Add tolerance code to part number, and options, if required):

MD 5 R 103 K -1

### SERIES

VOLTAGE: 5=50V 1=100V 2=200V 4=400V 6=600V

STYLE: (MOLDED BOX, RADIAL)

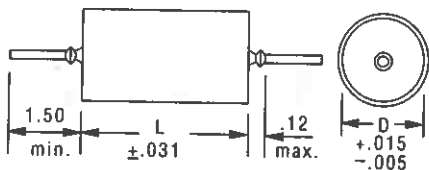
OPTIONS: -1=ADD CLEAR SLEEVE /R=TAPE AND REEL

TOLERANCE CODE: F=1% G=2% H=3% J=5% K=10% M=20%

CAPACITANCE CODE (EIA STANDARD)

# POLYESTER FILM-FOIL

## Hermetic Can — MD Series



LEAD SIZE		
CASE DIAMETER	A.W.G.	LEAD DIA.
.175 thru .195	No. 24	.020
.234 thru .312	No. 22	.025
.400 thru 1.00	No. 20	.032

MFD	50 VDC			100 VDC			200 VDC			400 VDC			600 VDC		
	D	L	PART NO.	D	L	PART NO.	D	L	PART NO.	D	L	PART NO.	D	L	PART NO.
.001	.175	.750	MD5L102*	.175	.750	MD1L102*	.175	.750	MD2L102*	.235	.750	MD4L102*	.235	.750	MD6L102*
.0012	.175	.750	MD5L122*	.175	.750	MD1L122*	.175	.750	MD2L122*	.235	.750	MD4L122*	.235	.750	MD6L122*
.0015	.175	.750	MD5L152*	.175	.750	MD1L152*	.175	.750	MD2L152*	.235	.750	MD4L152*	.235	.750	MD6L152*
.0018	.175	.750	MD5L182*	.175	.750	MD1L182*	.175	.750	MD2L182*	.235	.750	MD4L182*	.235	.750	MD6L182*
.0022	.175	.750	MD5L222*	.175	.750	MD1L222*	.175	.750	MD2L222*	.235	.750	MD4L222*	.235	.750	MD6L222*
.0027	.175	.750	MD5L272*	.175	.750	MD1L272*	.175	.750	MD2L272*	.235	.750	MD4L272*	.235	.750	MD6L272*
.0033	.175	.750	MD5L332*	.175	.750	MD1L332*	.175	.750	MD2L332*	.235	.750	MD4L332*	.235	.750	MD6L332*
.0039	.175	.750	MD5L392*	.175	.750	MD1L392*	.175	.750	MD2L392*	.235	.750	MD4L392*	.235	.750	MD6L392*
.0047	.175	.750	MD5L472*	.175	.750	MD1L472*	.175	.750	MD2L472*	.235	.750	MD4L472*	.235	.750	MD6L472*
.0056	.175	.750	MD5L562*	.175	.750	MD1L562*	.175	.750	MD2L562*	.235	.750	MD4L562*	.235	.875	MD6L562*
.0068	.175	.750	MD5L682*	.175	.750	MD1L682*	.175	.750	MD2L682*	.235	.750	MD4L682*	.235	.875	MD6L682*
.0082	.175	.750	MD5L822*	.175	.750	MD1L822*	.175	.750	MD2L822*	.235	.750	MD4L822*	.312	.875	MD6L822*
.01	.175	.750	MD5L103*	.175	.750	MD1L103*	.195	.750	MD2L103*	.235	.875	MD4L103*	.312	.875	MD6L103*
.012	.175	.750	MD5L123*	.175	.750	MD1L123*	.235	.750	MD2L123*	.235	.875	MD4L123*	.312	.875	MD6L123*
.015	.195	.750	MD5L153*	.195	.750	MD1L153*	.235	.750	MD2L153*	.312	.875	MD4L153*	.312	.875	MD6L153*
.018	.235	.750	MD5L183*	.235	.750	MD1L183*	.235	.750	MD2L183*	.312	.875	MD4L183*	.400	.875	MD6L183*
.022	.235	.750	MD5L223*	.235	.750	MD1L223*	.235	.875	MD2L223*	.312	.875	MD4L223*	.400	.875	MD6L223*
.027	.235	.750	MD5L273*	.235	.750	MD1L273*	.235	.875	MD2L273*	.312	.875	MD4L273*	.400	.875	MD6L273*
.033	.235	.875	MD5L333*	.235	.875	MD1L333*	.312	.875	MD2L333*	.400	.875	MD4L333*	.400	1.125	MD6L333*
.039	.235	.875	MD5L393*	.235	.875	MD1L393*	.312	.875	MD2L393*	.400	.875	MD4L393*	.400	1.125	MD6L393*
.047	.235	.875	MD5L473*	.235	.875	MD1L473*	.312	.875	MD2L473*	.400	.875	MD4L473*	.500	1.125	MD6L473*
.056	.312	.875	MD5L563*	.312	.875	MD1L563*	.312	.875	MD2L563*	.400	1.125	MD4L563*	.500	1.125	MD6L563*
.068	.312	.875	MD5L683*	.312	.875	MD1L683*	.400	.875	MD2L683*	.400	1.125	MD4L683*	.500	1.125	MD6L683*
.082	.312	.875	MD5L823*	.312	.875	MD1L823*	.400	.875	MD2L823*	.500	1.125	MD4L823*	.500	1.375	MD6L823*
.1	.400	.875	MD5L104*	.400	.875	MD1L104*	.400	.875	MD2L104*	.500	1.125	MD4L104*	.500	1.375	MD6L104*
.12	.400	.875	MD5L124*	.400	.875	MD1L124*	.400	1.125	MD2L124*	.500	1.125	MD4L124*	.562	1.375	MD6L124*
.15	.400	.875	MD5L154*	.400	.875	MD1L154*	.400	1.125	MD2L154*	.500	1.125	MD4L154*	.562	1.625	MD6L154*
.18	.400	.875	MD5L184*	.400	.875	MD1L184*	.400	1.125	MD2L184*	.500	1.375	MD4L184*	.562	1.625	MD6L184*
.22	.400	1.125	MD5L224*	.400	1.125	MD1L224*	.500	1.125	MD2L224*	.562	1.375	MD4L224*	.670	1.625	MD6L224*
.27	.400	1.125	MD5L274*	.400	1.125	MD1L274*	.500	1.125	MD2L274*	.562	1.625	MD4L274*	.670	1.625	MD6L274*
.33	.500	1.125	MD5L334*	.500	1.125	MD1L334*	.500	1.375	MD2L334*	.562	1.625	MD4L334*	.670	1.875	MD6L334*
.39	.500	1.125	MD5L394*	.500	1.125	MD1L394*	.562	1.375	MD2L394*	.670	1.625	MD4L394*	.750	1.875	MD6L394*
.47	.500	1.125	MD5L474*	.500	1.125	MD1L474*	.562	1.375	MD2L474*	.670	1.625	MD4L474*	.750	2.125	MD6L474*
.56	.500	1.375	MD5L564*	.500	1.375	MD1L564*	.562	1.625	MD2L564*	.670	1.875	MD4L564*	1.000	1.875	MD6L564*
.68	.500	1.375	MD5L684*	.500	1.375	MD1L684*	.670	1.625	MD2L684*	.750	1.875	MD4L684*	1.000	1.875	MD6L684*
.82	.562	1.375	MD5L824*	.562	1.375	MD1L824*	.670	1.625	MD2L824*	.750	2.125	MD4L824*	1.000	2.125	MD6L824*
1.0	.562	1.625	MD5L105*	.562	1.625	MD1L105*	.670	1.625	MD2L105*	1.000	1.875	MD4L105*	1.000	2.375	MD6L105*
1.5	.670	1.625	MD5L155*	.670	1.625	MD1L155*	.750	2.125	MD2L155*	1.000	2.125	MD4L155*			
2.0	.670	1.875	MD5L205*	.670	1.875	MD1L205*	1.000	1.875	MD2L205*	1.000	2.375	MD4L205*			
3.0	1.000	1.875	MD5L305*	1.000	1.875	MD1L305*	1.000	2.125	MD2L305*						
4.0	1.000	2.125	MD5L405*	1.000	2.125	MD1L405*									
5.0	1.000	2.125	MD5L505*	1.000	2.125	MD1L505*									

\* Add Tolerance Code

### How To Order

(Add tolerance code to part number, and options, if required):

MD 5 L 103 K -1

### SERIES

VOLTAGE: 5=50V 1=100V 2=200V 4=400V 6=600V

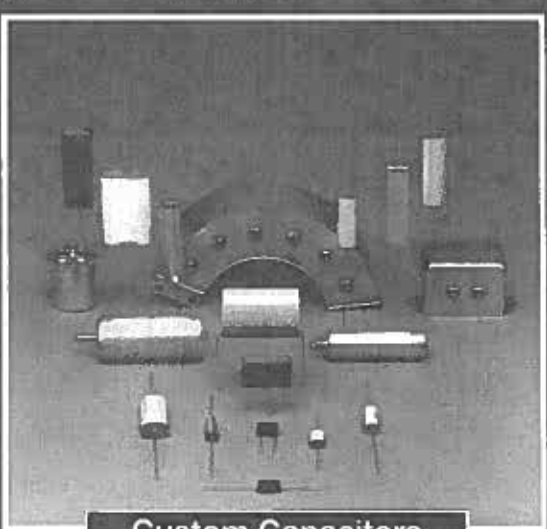
STYLE: (HERMETIC CAN, AXIAL)

OPTIONS: -1=ADD CLEAR SLEEVE /R=TAPE AND REEL

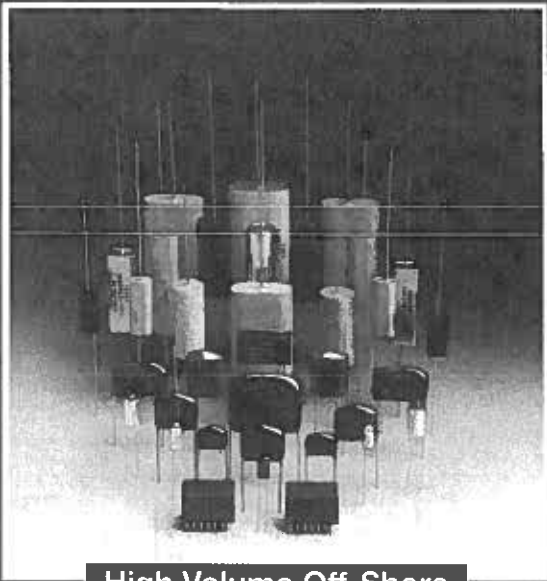
TOLERANCE CODE: F=1% G=2% H=3% J=5% K=10% M=20%

CAPACITANCE CODE (EIA STANDARD)

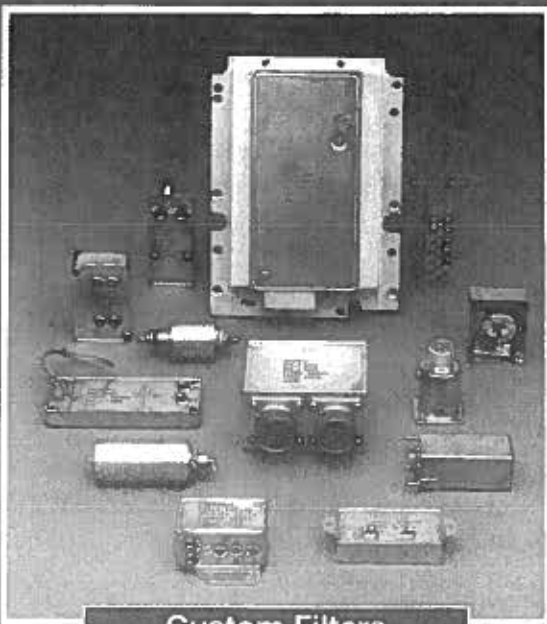




Custom Capacitors



High Volume Off-Shore



Custom Filters

# Did You Know...?

Only standard products are shown in this catalog.

*We do Customs.  
We do Off-Shore,  
low cost, high volume.*

*We do custom EMI/RFI filters. Call us for details.*