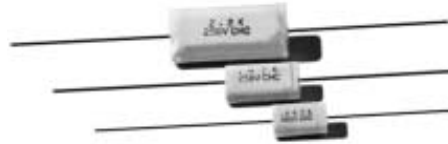


FEATURES

- Non-inductive
- Sealed with epoxy resin
- Self healing
- Excellent for use in coupling, RF filters, and solid state circuits



23MA Series

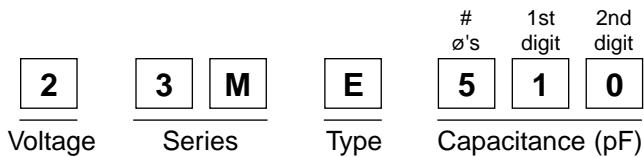


23ME Series

CHARACTERISTICS

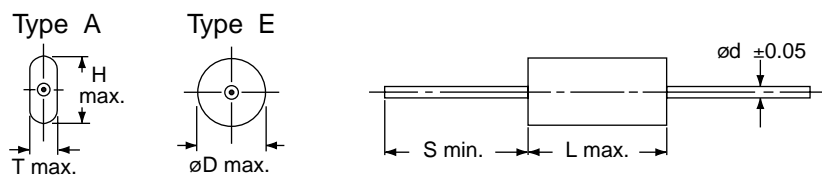
Item	Characteristics
Operating Temperature Range	-40°C ~ +85°C
Capacitance Tolerance	±10% standard, other tolerances available upon request, ask for details
Standard Working Voltage (WV)	100, 250, 400, 630, 1000
Dielectric Strength	150% of working voltage for 1 minute
Dissipation Factor	1.0% max. (1KHz), 20°C
Insulation Resistance	<.33μF is >15,000MΩ; ≥.33μF is >5,000MΩ per μF

PART NUMBERING SYSTEM



Voltage Code:
1 = 100
2 = 250
4 = 400
6 = 630
10 = 1000 (Type E only)

■ DIMENSIONS: LEAD DIAMETER AND LENGTH, TYPE A AND E



Lead Dimensions (mm)

L	10.5	14.0	19.0	25.0	32.0	47.0	58.0
ød	0.6	0.6	0.8	0.8	0.8	0.8	1.0
S	30	30	35	35	35	35	35

■ LENGTH, HEIGHT, AND WIDTH, TYPE A

Value (µF)	Working Voltage (WVDC); Dimensions (mm) L x H x T			
	100	250	400	630
.047			14.0x12.0x4.5	19.0x11.0x6.0
.056				19.0x11.0x6.0
.068			19.0x9.0x5.0	19.0x11.0x6.0
.082			19.0x10.0x5.5	19.0x12.0x6.5
.1	10.5x8.5x4.5	14.0x8.5x4.5	19.0x10.0x5.5	19.0x12.0x6.5
.12	10.5x8.5x4.5	14.0x8.5x4.5	19.0x11.0x6.0	19.0x13.0x7.0
.15	10.5x8.5x4.5	14.0x9.0x5.0	19.0x12.0x6.5	19.0x14.0x7.5
.18	10.5x8.5x4.5	14.0x9.5x5.5	19.0x13.0x7.0	25.0x14.0x7.5
.22	14.0x8.5x4.5	14.0x10.0x6.0	19.0x14.0x7.5	25.0x15.0x8.5
.27	14.0x8.5x4.5	19.0x11.0x6.0	25.0x13.0x7.0	32.0x16.0x7.0
.33	14.0x9.0x5.0	19.0x12.0x6.5	25.0x14.0x7.5	32.0x17.0x8.0
.39	14.0x9.0x5.0	19.0x13.0x7.0	25.0x15.0x8.0	32.0x18.0x9.0
.47	14.0x9.0x5.0	19.0x13.0x7.0	25.0x16.0x9.0	32.0x19.0x10.0
.56	14.0x9.5x5.5	25.0x12.0x6.0	25.0x17.0x10.0	32.0x20.0x11.0
.68	19.0x10.5x5.5	25.0x12.5x6.5	32.0x17.0x9.0	32.0x21.5x12.5
.82	19.0x11.0x6.0	25.0x13.0x7.0	32.0x18.0x9.5	32.0x22.5x13.5
1.0	19.0x12.0x6.5	25.0x14.0x7.5	32.0x19.0x10.0	32.0x24.0x15.0
1.2	19.0x13.0x7.0	25.0x15.0x8.0	32.0x20.5x11.5	47.0x22.0x12.0
1.5	25.0x13.0x7.0	32.0x16.0x8.5	32.0x22.0x13.0	47.0x24.0x14.0
1.8	25.0x14.0x7.5	32.0x17.0x9.0	32.0x24.5x15.5	47.0x25.0x15.0
2.2	25.0x15.0x8.0	32.0x18.0x9.5	32.0x26.0x17.0	47.0x26.5x16.5
2.7	25.0x15.5x8.5	32.0x19.0x10.0	47.0x23.0x13.0	47.0x29.0x19.0
3.3	25.0x16.0x9.0	32.0x20.0x11.0	47.0x25.0x15.0	47.0x32.0x22.0
3.9	32.0x17.0x10.0	32.0x21.0x12.0	47.0x27.0x17.0	47.0x34.0x24.0
4.7	32.0x18.0x11.0	47.0x21.0x11.0	47.0x29.0x19.0	47.0x36.0x26.0
5.6	32.0x19.5x12.5	47.0x22.0x12.0	47.0x31.0x21.0	58.0x35.0x25.0
6.8	32.0x21.0x14.0	47.0x23.0x13.0	47.0x33.0x23.0	58.0x37.0x27.0
8.2	32.0x23.0x16.0	47.0x25.0x15.0	58.0x34.0x24.0	
10.0	47.0x21.0x12.0	47.0x26.5 x16.5	58.0x36.0x26.0	
12.0	47.0x22.0x13.0	47.0x28.0x18.0		
15.0	47.0x24.0x15.0	47.0x30.0x20.0		
18.0	47.0x26.0x17.0	58.0x31.0x21.0		
20.0	47.0x28.0x18.0	58.0x32.0x22.0		
22.0	47.0x29.0x19.0	58.0x33.0x23.0		
25.0	47.0x30.0x20.0	58.0x35.0x25.0		
27.0	47.0x31.0x21.0	58.0x36.0x26.0		
30.0	47.0x33.0x23.0	58.0x38.0x28.0		
33.0	47.0x35.0x25.0	58.0x40.0x30.0		
39.0	47.0x37.0x27.0			
47.0	47.0x40.0x30.0			

■ DIAMETER AND LENGTH, TYPE E

Value (µF)	Working Voltage (WVDC); Dimensions (mm) øD x L				
	100	250	400	630	1000
.01	5.0x10.5	5.5x14.0	5.5x14.0	6.0x14.0	8.0x19.0
.012	5.0x10.5	5.5x14.0	5.5x14.0	6.0x14.0	8.0x19.0
.015	5.0x10.5	5.5x14.0	5.5x14.0	6.5x14.0	8.0x19.0
.018	5.0x10.5	5.5x14.0	5.5x14.0	6.5x14.0	8.5x19.0
.022	5.0x10.5	5.5x14.0	5.5x14.0	6.5x14.0	9.0x19.0
.027	5.0x10.5	5.5x14.0	6.0x14.0	6.5x14.0	10.0x19.0
.033	5.0x10.5	5.5x14.0	6.0x14.0	6.5x19.0	10.0x19.0
.039	5.0x10.5	5.5x14.0	6.5x14.0	7.0x19.0	10.5x25.0
.047	5.0x10.5	5.5x14.0	7.0x14.0	7.5x19.0	10.5x25.0
.056	5.0x10.5	5.5x14.0	7.5x14.0	8.0x19.0	11.0x25.0
.068	5.0x10.5	5.5x14.0	6.5x19.0	8.5x19.0	11.5x25.0
.082	5.5x10.5	5.5x14.0	7.0x19.0	8.0x25.0	11.5x32.0
.1	5.5x10.5	6.0x14.0	7.5x19.0	9.0x25.0	12.0x32.0
.12	6.0x10.5	6.5x14.0	8.0x19.0	10.0x25.0	13.0x32.0
.15	6.5x10.5	6.5x14.0	8.5x19.0	10.5x25.0	14.0x32.0
.18	6.0x14.0	7.0x19.0	9.0x19.0	11.0x25.0	15.0x32.0
.22	6.0x14.0	7.0x19.0	10.0x19.0	12.0x25.0	16.0x32.0
.27	6.5x14.0	7.5x19.0	9.5x25.0	11.0x32.0	17.0x32.0
.33	7.0x14.0	8.0x19.0	10.0x25.0	12.0x32.0	17.0x47.0
.39	7.5x14.0	8.5x19.0	11.0x25.0	13.0x32.0	18.0x47.0
.47	8.0x14.0	9.0x19.0	11.5x25.0	14.0x32.0	19.0x47.0
.56	7.5x19.0	8.5x25.0	12.5x25.0	15.0x32.0	20.0x47.0
.68	8.0x19.0	9.0x25.0	13.0x32.0	16.5x32.0	22.0x47.0
.82	8.5x19.0	10.0x25.0	14.0x32.0	18.0x32.0	24.0x47.0
1.0	9.0x19.0	10.5 x25.0	15.0x32.0	20.0x32.0	26.0x47.0
1.2	10.0x19.0	11.0x25.0	16.5x32.0	17.5x47.0	
1.5	10.0x25.0	12.0x32.0	18.0x32.0	19.0x47.0	
1.8	11.0x25.0	13.0x32.0	19.0x32.0	21.0x47.0	
2.2	12.0x25.0	14.0x32.0	20.0x32.0	23.0x47.0	
2.7	13.0x25.0	15.0x32.0	19.0x47.0	25.0x47.0	
3.3	14.0x25.0	16.5x32.0	20.0x47.0	27.0x47.0	
3.9	13.0x32.0	18.0x32.0	21.5x47.0	29.0x47.0	
4.7	14.0x32.0	16.0x47.0	23.0x47.0	31.0x47.0	
5.6	15.0x32.0	17.0x47.0	24.5x47.0		
6.8	16.5x32.0	18.5x47.0	26.0x47.0		
8.2	18.0x32.0	20.0x47.0			
10.0	18.0x47.0	22.0x47.0			
12.0	19.5x47.0	24.0x47.0			
15.0	21.0x47.0	26.0x47.0			
18.0	22.0x47.0	26.0x58.0			
22.0	25.0x47.0	29.0x58.0			
27.0	27.0x47.0	32.0x58.0			
30.0	29.0x47.0	34.0x58.0			

