

FEATURES

- Low dissipation factor
- High insulation resistance
- High stability of capacitance and DF versus temperature and frequency
- Self-healing properties
- Non-inductive



CHARACTERISTICS

Item	Characteristics
Operating Temperature Range	-40°C ~ +85°C
Capacitance Tolerance	±5%, ±10%, ±20%
Standard Working Voltage (WV)	250, 400, 630
Dissipation Factor	0.1% max. (1KHz), 25°C
Insulation Resistance	≤.1μF is >30,000MΩ; >.1μF is >3000MΩ per μF

PART NUMBERING SYSTEM

1

4

3

1

-

2

Series

Voltage

1st digit

2nd digit

of's

1

0

4

Value (pF)

Tolerance

K

Voltage Code:

2 = 250

4 = 400

6 = 630

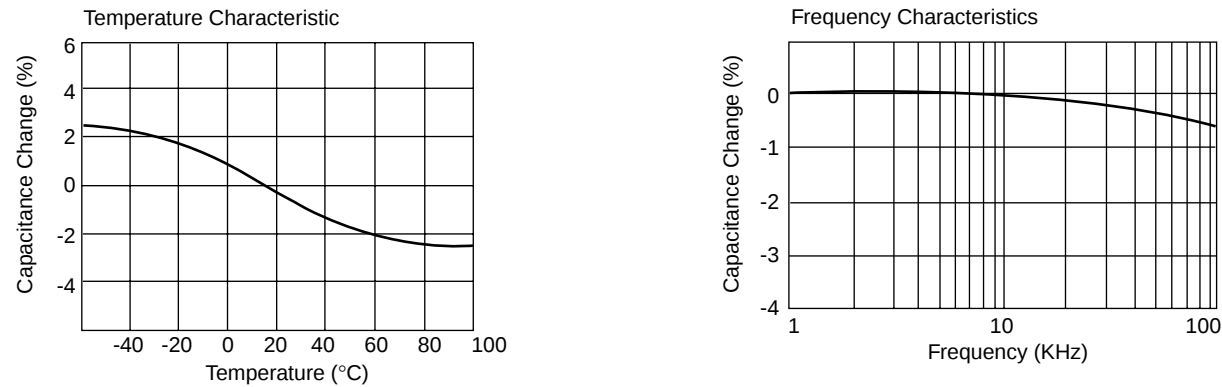
Tolerance Code:

J = ±5%

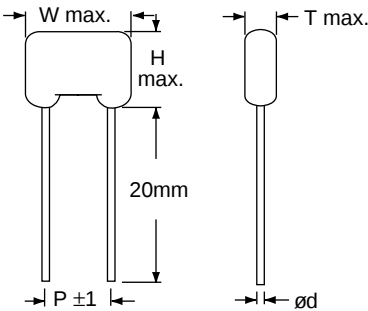
K = ±10%

M = ±20%

TYPICAL PERFORMANCE CHARACTERISTICS



DIMENSIONS



Value (μF)	Working Voltage (WV); Dimensions (mm)								
	250			400			630		
	W x H x T	P	ød	W x H x T	P	ød	W x H x T	P	ød
.001	10.5 x 9.5 x 6.0	7	0.6	14.0 x 8.5 x 5.5	10	0.6	14.0 x 8.5 x 6.0	10	0.6
.0015	10.5 x 9.5 x 6.0	7	0.6	14.0 x 9.5 x 6.0	10	0.6	14.0 x 9.0 x 6.5	10	0.6
.0022	10.5 x 9.5 x 6.0	7	0.6	14.0 x 9.5 x 6.0	10	0.6	14.0 x 10.0 x 6.5	10	0.6
.0033	10.5 x 9.5 x 6.0	7	0.6	14.0 x 9.5 x 6.0	10	0.6	14.0 x 12.0 x 6.5	10	0.6
.0047	10.5 x 9.5 x 6.0	7	0.6	14.0 x 9.5 x 6.0	10	0.6	14.0 x 13.0 x 7.5	10	0.6
.0068	14.0 x 9.5 x 6.0	10	0.6	14.0 x 10.0 x 6.5	10	0.6	19.0 x 12.5 x 7.5	15	0.8
.01	14.0 x 9.5 x 6.0	10	0.6	14.0 x 11.5 x 7.5	10	0.6	19.0 x 12.5 x 8.0	15	0.8
.015	14.0 x 10.0 x 6.5	10	0.6	14.0 x 13.0 x 8.0	10	0.6	19.0 x 14.5 x 8.5	15	0.8
.022	14.0 x 12.0 x 7.0	10	0.6	19.0 x 12.0 x 7.5	15	0.6	19.0 x 16.5 x 9.0	15	0.8
.033	19.0 x 11.5 x 6.5	15	0.6	19.0 x 14.0 x 8.5	15	0.6	26.0 x 18.0 x 11.0	22	0.8
.047	19.0 x 12.5 x 7.0	15	0.6	19.0 x 15.5 x 9.5	15	0.8	26.0 x 18.5 x 11.5	22	0.8
.068	19.0 x 13.0 x 7.5	15	0.8	26.0 x 16.5 x 9.0	22	0.8	31.0 x 19.0 x 11.0	27.5	0.8
.1	19.0 x 16.0 x 9.5	15	0.8	26.0 x 18.5 x 11.0	22	0.8	31.0 x 21.5 x 12.5	27.5	0.8
.15	26.0 x 17.5 x 10.0	21	0.8	26.0 x 21.0 x 14.0	22	0.8	32.0 x 25.5 x 15.5	27.5	0.8
.22	26.0 x 21.0 x 12.5	21	0.8	32.0 x 22.0 x 14.5	27.5	0.8	32.0 x 27.5 x 16.0	27.5	0.8
.33	32.0 x 22.5 x 13.0	27.5	0.8	32.0 x 26.0 x 18.5	27.5	0.8			
.47	32.0 x 26.0 x 15.5	27.5	0.8	32.0 x 28.0 x 20.5	27.5	0.8			

Mouser Electronics

Authorized Distributor

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