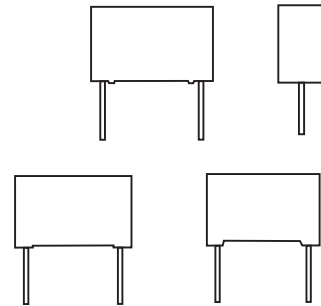
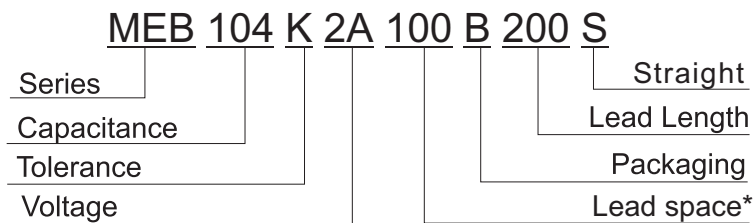


### FEATURES

- High moisture resistance
- Self-healing property
- Non-inductive construction
- Good solderability
- Flame-retardant epoxy resin (Compliant to UL 94V-0)
- Similar to MDD type but in box encapsulation



### PART NUMBER EXAMPLE

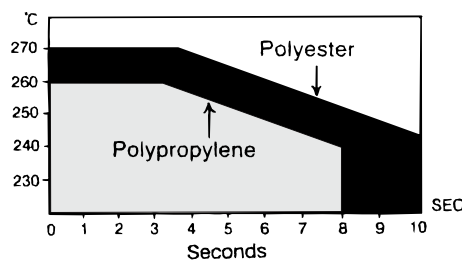


\* Leadspace is straight lead non-formed original leadspace.

### ELECTRICAL CHARACTERISTICS

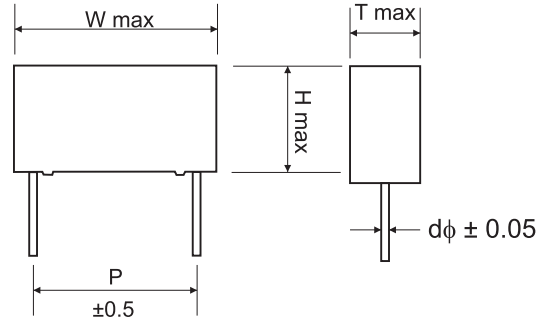
Items	Performance												
Operating Voltage Range	100Vdc, 250Vdc, 400Vdc, 450Vdc, 630Vdc, 1000Vdc												
Rated Temperature	-40°C ~ +115°C (Derates over 105°C)												
Usable Upper Category Temperature	+115°C (Derates over +105°C : 1.25% per °C of Rated Voltage)												
Climatic Category	55 / 105 / 56												
Capacitance Range	0.01 μF ~ 10 μF												
Capacitance Tolerance	5% (J), 10% (K), 20%(M)												
Dissipation Factor (at rated capacitance)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">C ≤ 0.1μF</th> <th style="text-align: center;">C &gt; 0.1μF</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1KHz, 20°C</td> <td style="text-align: center;">≤ 0.01</td> <td style="text-align: center;">≤ 0.01</td> </tr> <tr> <td style="text-align: center;">10KHz, 20°C</td> <td style="text-align: center;">≤ 0.015</td> <td style="text-align: center;">≤ 0.015</td> </tr> <tr> <td style="text-align: center;">100KHz, 20°C</td> <td style="text-align: center;">≤ 0.030</td> <td style="text-align: center;">≤ 0.030</td> </tr> </tbody> </table>		C ≤ 0.1μF	C > 0.1μF	1KHz, 20°C	≤ 0.01	≤ 0.01	10KHz, 20°C	≤ 0.015	≤ 0.015	100KHz, 20°C	≤ 0.030	≤ 0.030
		C ≤ 0.1μF	C > 0.1μF										
	1KHz, 20°C	≤ 0.01	≤ 0.01										
	10KHz, 20°C	≤ 0.015	≤ 0.015										
100KHz, 20°C	≤ 0.030	≤ 0.030											
Insulation Resistance Terminal to Terminal	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">V<sub>R</sub> ≤ 100V</td> <td style="text-align: center;">IR ≥ 3750MΩ, CN ≤ 0.33uF IR ≥ 1250S, CN &gt; 0.33uF (20°C, 100V, 1min)</td> </tr> <tr> <td style="text-align: center;">V<sub>R</sub> &gt; 100V</td> <td style="text-align: center;">IR ≥ 15000MΩ, CN ≤ 0.33uF IR ≥ 10000S, CN &gt; 0.33uF (20°C, 100V, 1min)</td> </tr> </table>	V <sub>R</sub> ≤ 100V	IR ≥ 3750MΩ, CN ≤ 0.33uF IR ≥ 1250S, CN > 0.33uF (20°C, 100V, 1min)	V <sub>R</sub> > 100V	IR ≥ 15000MΩ, CN ≤ 0.33uF IR ≥ 10000S, CN > 0.33uF (20°C, 100V, 1min)								
	V <sub>R</sub> ≤ 100V	IR ≥ 3750MΩ, CN ≤ 0.33uF IR ≥ 1250S, CN > 0.33uF (20°C, 100V, 1min)											
V <sub>R</sub> > 100V	IR ≥ 15000MΩ, CN ≤ 0.33uF IR ≥ 10000S, CN > 0.33uF (20°C, 100V, 1min)												
Withstand Voltage	Terminal to Terminal: (at 20°C ± 5°C) 1.6 x V <sub>R</sub> applied for 2sec. (cut off current 10mA)												

### SOLDERING



The area under the curve is the recommended soldering time & temp. for the materials shown.

■ **MAXIMUM DIMENSIONS (mm)**



(μF)	W.V. Code	100VDC (2A)					250VDC (2E)					400VDC (2G)					630VDC (2J)					1000VDC (3A)				
		W	H	T	P	d	W	H	T	P	d	W	H	T	P	d	W	H	T	P	d	W	H	T	P	d
0.01	103																									
0.012	123																									
0.015	153																									
0.018	183																									
0.022	223																									
0.027	273																									
0.033	333																									
0.039	393																									
0.047	473																									
0.056	563																									
0.068	683																									
0.082	823																									
0.1	104	10.0	9.0	4.0	7.5	0.6	10.0	11.0	5.0	7.5	0.6	13.0	12.0	6.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	18.0	14.5	8.5	15.0	0.8
0.12	124	10.0	9.0	4.0	7.5	0.6	10.0	11.0	5.0	7.5	0.6	18.0	11.0	5.0	15.0	0.8	18.0	14.5	8.5	15.0	0.8					
0.15	154	10.0	9.0	4.0	7.5	0.6	10.0	12.0	6.0	7.5	0.6	18.0	11.0	5.0	15.0	0.8	18.0	14.5	8.5	15.0	0.8	26.5	16.0	7.0	22.5	0.8
0.18	184	10.0	9.0	4.0	7.5	0.6	13.0	10.0	5.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8	18.0	16.5	10.0	15.0	0.8					
0.22	224	10.0	9.0	4.0	7.5	0.6	13.0	11.0	5.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	18.0	18.0	10.0	15.0	0.8	26.5	17.0	8.5	22.5	0.8
0.27	274	10.0	11.0	5.0	7.5	0.6	13.0	11.0	5.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	26.0	17.0	8.0	22.5	0.8					
0.33	334	10.0	11.0	5.0	7.5	0.6	13.0	12.0	6.0	10.0	0.6	18.0	14.5	8.5	15.0	0.8	26.0	18.0	9.0	22.5	0.8	26.5	20.0	11.0	22.5	0.8
0.39	394	10.0	11.0	5.0	7.5	0.6	18.0	11.0	5.0	15.0	0.8	18.0	15.0	9.0	15.0	0.8	26.0	19.0	10.0	22.5	0.8					
0.47	474	10.0	12.0	6.0	7.5	0.6	18.0	12.0	6.0	15.0	0.8	18.0	17.5	8.5	15.0	0.8	26.0	19.0	10.0	22.5	0.8	32.0	20.0	11.0	27.5	0.8
0.56	564	13.0	11.0	5.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8	26.5	16.0	7.0	22.5	0.8	26.0	20.0	11.0	22.5	0.8					
0.68	684	13.0	11.0	5.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	26.5	17.5	8.5	22.5	0.8	26.0	21.5	12.0	22.5	0.8	32.0	28.0	14.0	27.5	0.8
0.82	824	13.0	12.0	6.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	26.5	17.5	8.5	22.5	0.8	31.0	22.0	13.0	27.5	0.8					
1	105	13.0	12.0	6.0	10.0	0.6	18.0	14.5	8.5	15.0	0.8	26.5	19.0	10.0	22.5	0.8	31.0	22.0	13.0	27.5	0.8	32.0	30.0	16.0	27.5	0.8
1.2	125	18.0	12.0	6.0	15.0	0.8	18.0	15.0	9.0	15.0	0.8	26.5	20.0	11.0	22.5	0.8	31.0	25.0	14.0	27.5	0.8					
1.5	155	18.0	12.5	6.0	15.0	0.8	18.0	17.5	8.5	15.0	0.8	31.0	20.0	11.0	27.5	0.8	31.0	26.0	18.0	27.5	0.8					
1.8	185	18.0	13.5	7.5	15.0	0.8	26.0	16.0	7.0	22.5	0.8	31.0	23.0	13.0	27.5	0.8	31.0	31.0	22.0	27.5	0.8					
2.2	225	18.0	14.0	7.5	15.0	0.8	26.0	17.0	8.5	22.5	0.8	31.0	23.5	14.0	27.5	0.8	31.0	31.0	22.0	27.5	0.8					
2.7	275	18.0	15.0	9.0	15.0	0.8	26.0	19.0	10.0	22.5	0.8															
3.3	335	18.0	16.0	10.0	15.0	0.8	26.0	19.0	10.0	22.5	0.8															
3.9	395	26.0	16.0	6.0	22.5	0.8	26.0	20.0	11.0	22.5	0.8															
4.7	475	26.0	17.0	8.5	22.5	0.8	26.0	22.0	12.0	22.5	0.8															
5.6	565	26.0	18.5	7.0	22.5	0.8	31.0	22.0	13.0	27.5	0.8															
6.8	685	26.0	19.0	10.0	22.5	0.8	31.0	23.5	14.0	27.5	0.8															
8.2	825	26.0	20.0	10.0	22.5	0.8	31.0	25.0	14.0	27.5	0.8															
10	106	26.5	22.0	12.0	22.5	0.8	31.0	28.0	18.0	27.5	0.8															

■ **TAPE CODE (Lead spacing on tape, if taped)**

Lead Spacing	7.5mm	10mm	15mm
Packing	A or R	A or R	A or R
Code	RT2	RT3	RT4

**RADIAL TAPING CODE DIAGRAM**

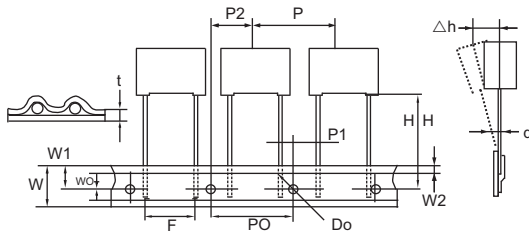


Fig. 2  
F=7.5mm  
(RT2)

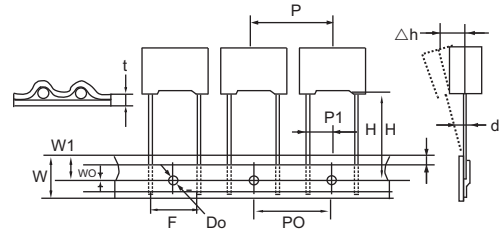


Fig. 3 Box  
F=7.5mm  
Ammo Only  
(RT2)

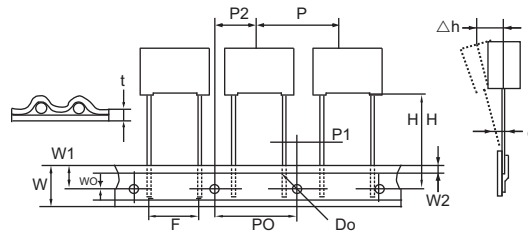


Fig. 4 Box or Epoxy Coated  
F=10 = Ammo Only  
F=15 Every other space skipped because  
of Larger body - Ammo Only  
(RT3 or RT4)

**SPECIFICATIONS**

Description	Letter	Dimension (mm)			
		RT2	RT3	RT4	Tol.
Lead Wire Diameter	d	0.5 / 0.6	0.6	0.6 / 0.8	± 0.05
Tape Pitch	P	12.7	12.7	25.4	± 1
Feed Hole Pitch	PO	12.7	12.7	12.7	± 0.2
Centering of the Lead Wire	P1	2.6 / 3.75	7.7	5.2	± 0.7
Centering of the Body	P2	6.35	12.7	12.7	± 1.3
Lead Spacing (Pitch)	F	7.5	10	15	± 0.6; -0.1
Component Alignment	Δh	0	0	0	± 2
Height of Component from Tape Center	H	18.5	18.5	18.5	± 0.5
Carrier Tape Width	W	18	18	18	± 1; -0.5
Hold Down Tape Width	WO	6	9	10	Min
Hole Position	W1	9	9	9	± 0.5
Hold Down Tape Position	W2	3	3	3	Max
Feed Hole Diameter	Do	4	4	4	± 0.2
Tape Thickness	t	0.5	0.5	0.5	± 0.2
Figure	fig	1.2 or 3	4	4	

Remark: \*Allowance of accumulated pitch less than 1mm at the sum of 20 pitches.  
\*Continuous empty component less than 3 consecutive pieces.  
\*Total empty on one reel less than 1%.