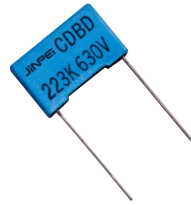


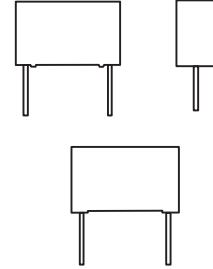


CDBD: Box Type, Low Loss at High Frequency

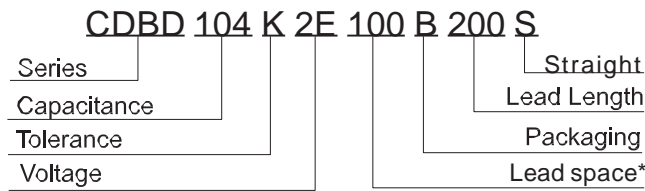


FEATURES

- ◆ Low loss at high frequency
- ◆ Rated voltage : 160Vdc~2000Vdc (90Vac~700Vac)
- ◆ Capacitance range : 0.00056 ~15 uF
- ◆ Plastic case (Compliant to UL 94V-0), epoxy resom sealing
- ◆ RoHS Compliant and lead-free terminations
- ◆ Widely used in high frequency, DC, AC and pulse circuits



PART NUMBER EXAMPLE



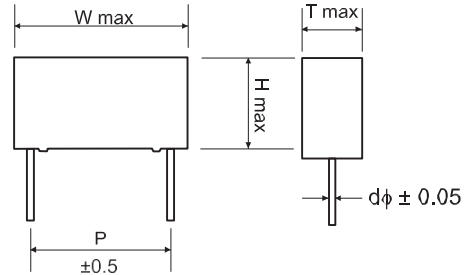
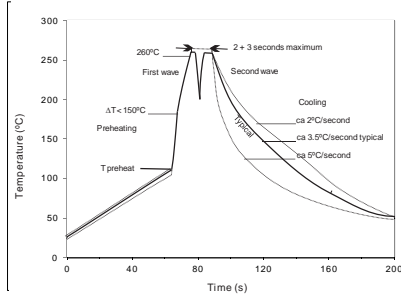
ELECTRICAL CHARACTERISTICS

Items		Performance						
Operating Voltage Range		160Vdc ~ 2,000Vdc (90Vac ~ 700Vac)						
Rated Temperature		-55°C ~ +105°C (Derates over 85°C : 1.25%per °C of Rated Voltage)						
Usable Upper Category Temperature		+105°C (Derates over +85°C : 1.25%per °C of Rated Voltage)						
Climatic Category		55 / 105 / 56						
Capacitance Range		0.00056 μF ~ 15 μF						
Capacitance Tolerance		5% (J), 10% (K), other tolerances on request						
Voltage Proof		1.6 U _R (5s)						
Dissipation Factor		≤ 10 x 10 ⁻⁴ (1KHz, 20°C)						
Insulation Resistance		R ≥ 100,000MΩ, CN ≤ 0.33 μF (20°C, 100V, 1min) RCN ≥ 30,000s, CN > 0.33 μF						
Maximum Pulse Rise Time (dV/dt) If the working voltage (V) is lower than the rated voltage (V _R), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtained by multiplying the right value with V _R /V.	Voltage (Vdc)	max. pulse rise time, dV/dt (V/μSec), Ta < 25°C						
		P= 5.0	P= 7.5	P= 10.0	P= 15.0	P= 22.5	P=27.5	P=37.5
	160	110	310	190	110	65	55	---
	250	270	660	560	310	130	110	---
	400	440	900	780	600	300	130	100
	630	550	1,500	1,200	900	400	200	---
	1,000	---	---	2,200	2,000	800	---	---
	1,600	---	---	---	4,500	1,800	---	---
2,000	---	---	---	9,500	4,500	---	---	



CDBD: Box Type, Low Loss at High Frequency

Wave Soldering Recommendations



RATINGS & DIMENSIONS (mm)

μF	Working Voltage	160Vdc (2C)				
		90Vac				
		Code	W	H	T	P
0.027	273	7.2	7.5	3.5	5.0	0.5
0.033	333	7.2	7.5	3.5	5.0	0.5
0.039	393	7.2	7.5	3.5	5.0	0.5
0.047	473	7.2	9.5	4.5	5.0	0.5
0.056	563	7.2	9.5	4.5	5.0	0.5
0.068	683	7.2	9.5	4.5	5.0	0.5
		10.5	9.0	4.0	7.5	0.6
0.082	823	7.2	10.0	5.0	5.0	0.5
		10.5	9.0	4.0	7.5	0.6
		13.0	9.0	4.0	10.0	0.6
0.1	104	7.2	10.0	5.0	5.0	0.5
		10.5	11.0	5.0	7.5	0.6
		13.0	9.0	4.0	10.0	0.6
0.12	124	7.2	11.0	6.0	5.0	0.5
		10.5	11.0	5.0	7.5	0.6
		13.0	11.0	5.0	10.0	0.6
0.15	154	7.2	11.0	6.0	5.0	0.5
		10.5	12.0	6.0	7.5	0.6
		13.0	11.0	5.0	10.0	0.6
0.18	184	10.5	12.0	6.0	7.5	0.6
		13.0	11.0	5.0	10.0	0.6
		17.5	11.0	5.0	15.0	0.8
0.22	224	13.0	12.0	6.0	10.0	0.6
		17.5	11.0	5.0	15.0	0.8
0.27	274	13.0	12.0	6.0	10.0	0.6
		17.5	11.0	5.0	15.0	0.8
0.33	334	17.5	11.0	5.0	15.0	0.8
0.39	394	17.5	12.0	6.0	15.0	0.8
0.47	474	17.5	12.0	6.0	15.0	0.8
		26.5	15.0	6.0	22.5	0.8
0.56	564	17.5	13.5	7.5	15.0	0.8
		26.5	15.0	6.0	22.5	0.8

μF	Working Voltage	160Vdc (2C)				
		90Vac				
		Code	W	H	T	P
0.68	684	17.5	13.5	7.5	15.0	0.8
		26.5	15.0	6.0	22.5	0.8
0.82	824	17.5	14.5	8.5	15.0	0.8
		26.5	16.0	7.0	22.5	0.8
1	105	17.5	16.0	10.0	15.0	0.8
		26.5	16.0	7.0	22.5	0.8
		32.0	18.0	9.0	27.5	0.8
1.2	125	17.5	16.0	10.0	15.0	0.8
		26.5	17.0	8.5	22.5	0.8
		32.0	18.0	9.0	27.5	0.8
1.5	155	17.5	19.0	11.0	15.0	0.8
		26.5	17.0	8.5	22.5	0.8
		32.0	18.0	9.0	27.5	0.8
1.8	185	17.5	19.0	11.0	15.0	0.8
		26.5	18.5	10.0	22.5	0.8
		32.0	18.0	9.0	27.5	0.8
2.2	225	26.5	20.0	11.0	22.5	0.8
		32.0	18.0	9.0	27.5	0.8
2.5	255	26.5	20.0	11.0	22.5	0.8
2.7	275	26.5	22.0	12.0	22.5	0.8
		32.0	20.0	11.0	27.5	0.8
3.3	335	26.5	22.0	12.0	22.5	0.8
		32.0	20.0	11.0	27.5	0.8
3.9	395	32.0	22.0	13.0	27.5	0.8
4.7	475	32.0	28.0	14.0	27.5	0.8
6.8	685	32.0	33.0	18.0	27.5	0.8
8.2	825	32.0	33.0	18.0	27.5	0.8
10	106	32.0	33.0	18.0	27.5	0.8
12	126	32.0	37.0	22.0	27.5	
15	156	32.0	37.0	22.0	27.5	0.8

CDBD: Box Type, Low Loss at High Frequency


RATINGS & DIMENSIONS (mm) continue

(μF)	Working	250Vdc (2E)				
	Voltage	180Vac				
	Code	W	H	T	P	dφ
0.01	103	7.2	7.5	3.5	5.0	0.5
0.012	123	7.2	7.5	3.5	5.0	0.5
0.015	153	7.2	7.5	3.5	5.0	0.5
0.018	183	7.2	7.5	3.5	5.0	0.5
0.022	223	7.2	7.5	3.5	5.0	0.5
0.027	273	7.2	7.5	3.5	5.0	0.5
		10.5	9.0	4.0	7.5	0.6
0.033	333	7.2	9.5	4.5	5.0	0.5
		10.5	9.0	4.0	7.5	0.6
		13.0	9.0	4.0	10.0	0.6
0.039	393	7.2	9.5	4.5	5.0	0.5
		10.5	9.0	4.0	7.5	0.6
		13.0	9.0	4.0	10.0	0.6
0.047	473	7.2	9.5	4.5	5.0	0.5
		10.5	9.0	4.0	7.5	0.6
		13.0	9.0	4.0	10.0	0.6
0.056	563	7.2	9.5	4.5	5.0	0.5
		10.5	9.0	4.0	7.5	0.6
		13.0	9.0	4.0	10.0	0.6
0.068	683	7.2	10.0	5.0	5.0	0.6
		10.5	9.0	4.0	7.5	0.6
		13.0	9.0	4.0	10.0	0.6
0.082	823	7.2	10.0	5.0	5.0	0.6
		10.5	11.0	5.0	7.5	0.6
		13.0	9.0	4.0	10.0	0.6
0.1	104	7.2	11.0	6.0	5.0	0.6
		10.5	11.0	5.0	7.5	0.6
		13.0	11.0	5.0	10.0	0.6
		17.5	11.0	5.0	15.0	0.8
0.12	124	7.2	11.0	6.0	5.0	0.6
		10.5	11.0	5.0	7.5	0.6
		13.0	11.0	5.0	10.0	0.6
		17.5	11.0	5.0	15.0	0.8
0.15	154	10.5	12.0	6.0	7.5	0.6
		13.0	11.0	5.0	10.0	0.6
		17.5	11.0	5.0	15.0	0.8
0.18	184	10.5	12.0	6.0	7.5	0.6
		13.0	12.0	6.0	10.0	0.6
		17.5	11.0	5.0	15.0	0.8

(μF)	Working	250Vdc (2E)				
	Voltage	180Vac				
	Code	W	H	T	P	dφ
0.22	224	13.0	12.0	6.0	10.0	0.6
		17.5	11.0	5.0	15.0	0.8
0.27	274	17.5	12.0	6.0	15.0	0.8
0.33	334	17.5	12.0	6.0	15.0	0.8
0.39	394	17.5	13.5	7.5	15.0	0.8
		26.5	15.0	6.0	22.5	0.8
0.47	474	17.5	13.5	7.5	15.0	0.8
		26.5	15.0	6.0	22.5	0.8
0.56	564	17.5	13.5	7.5	15.0	0.8
		26.5	15.0	6.0	22.5	0.8
0.68	684	17.5	14.5	8.5	15.0	0.8
		26.5	15.0	6.0	22.5	0.8
0.82	824	17.5	16.0	10.0	15.0	0.8
		26.5	15.0	6.0	22.5	0.8
		32.0	18.0	9.0	27.5	0.8
1	105	17.5	16.0	10.0	15.0	0.8
		26.5	16.0	7.0	22.5	0.8
		32.0	18.0	9.0	27.5	0.8
1.2	125	17.5	19.0	11.0	15.0	0.8
		26.5	17.0	8.5	22.5	0.8
		32.0	18.0	9.0	27.5	0.8
1.5	155	26.5	17.0	8.5	22.5	0.8
		32.0	18.0	9.0	27.5	0.8
1.8	185	26.5	18.5	10.0	22.5	0.8
		32.0	18.0	9.0	27.5	0.8
2.2	225	26.5	20.0	11.0	22.5	0.8
		32.0	20.0	11.0	27.5	0.8
2.5	255	32.0	20.0	11.0	27.5	0.8
2.7	275	26.5	22.0	12.0	22.5	0.8
		32.0	20.0	11.0	27.5	0.8
3.3	335	32.0	20.0	11.0	27.5	0.8
3.9	395	32.0	22.0	13.0	27.5	0.8
4.7	475	32.0	28.0	14.0	27.5	0.8
5.6	565	32.0	24.5	15.0	27.5	0.8
6.8	685	32.0	33.0	18.0	27.5	0.8
8.2	825	32.0	33.0	18.0	27.5	0.8
10	106	32.0	33.0	18.0	27.5	0.8
12	126	32.0	37.0	22.0	27.5	0.8
15	156	32.0	37.0	22.0	27.5	0.8

CDBD: Box Type, Low Loss at High Frequency


RATINGS & DIMENSIONS (mm) continue

(μF)	Working	400Vdc (2G)				
	Voltage	250Vac				
	Code	W	H	T	P	dφ
0.0039	392	7.2	7.5	3.5	5.0	0.5
0.0047	472	7.2	7.5	3.5	5.0	0.5
0.0056	562	7.2	7.5	3.5	5.0	0.5
0.0068	682	7.2	7.5	3.5	5.0	0.5
0.0082	822	7.2	7.5	3.5	5.0	0.5
0.01	103	7.2	7.5	3.5	5.0	0.5
		10.5	9.0	4.0	7.5	0.6
0.012	123	7.2	7.5	3.5	5.0	0.5
		10.5	9.0	4.0	7.5	0.6
0.015	153	7.2	9.5	4.5	5.0	0.6
		10.5	9.0	4.0	7.5	0.6
		13.0	9.0	4.0	10.0	0.6
0.018	183	7.2	9.5	4.5	5.0	0.6
		10.5	9.0	4.0	7.5	0.6
		13.0	9.0	4.0	10.0	0.6
0.022	223	7.2	9.5	4.5	5.0	0.6
		10.5	9.0	4.0	7.5	0.6
		13.0	9.0	4.0	10.0	0.6
0.027	273	7.2	10.0	5.0	5.0	0.6
		10.5	9.0	4.0	7.5	0.6
		13.0	9.0	4.0	10.0	0.6
0.033	333	7.2	11.0	6.0	5.0	0.6
		10.5	11.0	5.0	7.5	0.6
		13.0	9.0	4.0	10.0	0.6
0.039	393	7.2	11.0	6.0	5.0	0.6
		10.5	11.0	5.0	7.5	0.6
		13.0	9.0	4.0	10.0	0.6
0.047	473	7.2	11.0	6.0	5.0	0.6
		10.5	11.0	5.0	7.5	0.6
		13.0	11.0	5.0	10.0	0.6
0.056	563	10.5	12.0	6.0	7.5	0.6
		13.0	11.0	5.0	10.0	0.6
0.068	683	10.5	12.0	6.0	7.5	0.6
		13.0	11.0	5.0	10.0	0.6
		17.5	11.0	5.0	15.0	0.8
0.082	823	13.0	12.0	6.0	10.0	0.6
		17.5	11.0	5.0	15.0	0.8
0.1	104	13.0	12.0	6.0	10.0	0.8
		17.5	11.0	5.0	15.0	0.8

(μF)	Working	400Vdc (2G)				
	Voltage	250Vac				
	Code	W	H	T	P	dφ
0.12	124	17.5	11.0	5.0	15.0	0.8
0.15	154	17.5	12.0	6.0	15.0	0.8
0.18	184	17.5	12.0	6.0	15.0	0.8
		26.5	15.0	6.0	22.5	0.8
0.22	224	17.5	13.5	7.5	15.0	0.8
		26.5	15.0	6.0	22.5	0.8
0.27	274	17.5	13.5	7.5	15.0	0.8
		26.5	15.0	6.0	22.5	0.8
0.33	334	17.5	14.5	8.5	15.0	0.8
		26.5	15.0	6.0	22.5	0.8
0.39	394	17.5	16.0	10.0	15.0	0.8
		26.5	16.0	7.0	22.5	0.8
0.47	474	17.5	16.0	10.0	15.0	0.8
		26.5	16.0	7.0	22.5	0.8
0.56	564	17.5	19.0	11.0	15.0	0.8
		26.5	17.0	8.5	22.5	0.8
		32.0	18.0	9.0	27.5	0.8
0.68	684	17.5	19.0	11.0	15.0	0.8
		26.5	17.0	8.5	22.5	0.8
		32.0	18.0	9.0	27.5	0.8
0.82	824	26.5	18.5	10.0	22.5	0.8
		32.0	18.0	9.0	27.5	0.8
1	105	26.5	20.0	11.0	22.5	0.8
		32.0	18.0	9.0	27.5	0.8
1.2	125	26.5	22.0	12.0	22.5	0.8
		32.0	20.0	11.0	27.5	0.8
1.5	155	26.5	22.0	12.0	22.5	0.8
		32.0	20.0	11.0	27.5	0.8
1.8	185	32.0	22.0	13.0	27.5	0.8
2.2	225	32.0	24.5	15.0	27.5	0.8
2.5	255	32.0	28.0	14.0	27.5	0.8
2.7	275	32.0	28.0	14.0	27.5	0.8
3.3	335	32.0	33.0	18.0	27.5	0.8
3.9	395	32.0	33.0	18.0	27.5	0.8
4.7	475	32.0	37.0	22.0	27.5	0.8
		42.0	31.5	18.0	37.5	0.8
5.6	565	32.0	37.0	22.0	27.5	0.8

CDBD: Box Type, Low Loss at High Frequency



RATINGS & DIMENSIONS (mm) continue

(μF)	Working		630Vdc (2J)				
	Voltage		400Vac				
	Code	W	H	T	P	dø	
0.001	102	7.2	7.5	3.5	5.0	0.5	
		10.5	9.0	4.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.0012	122	7.2	7.5	3.5	5.0	0.5	
		10.5	9.0	4.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.0015	152	7.2	7.5	3.5	5.0	0.5	
		10.5	9.0	4.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.0018	182	7.2	7.5	3.5	5.0	0.5	
		10.5	9.0	4.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.0022	222	7.2	7.5	3.5	5.0	0.5	
		10.5	9.0	4.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.0027	272	7.2	7.5	3.5	5.0	0.5	
		10.5	9.0	4.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.0033	332	7.2	7.5	3.5	5.0	0.5	
		10.5	9.0	4.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.0039	392	7.2	9.5	4.5	5.0	0.5	
		10.5	9.0	4.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.0047	472	7.2	9.5	4.5	5.0	0.5	
		10.5	9.0	4.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.0056	562	7.2	10.0	5.0	5.0	0.5	
		10.5	9.0	4.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.0068	682	7.2	10.0	5.0	5.0	0.5	
		10.5	9.0	4.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.0082	822	7.2	11.0	6.0	5.0	0.5	
		10.5	9.0	4.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.01	103	7.2	11.0	6.0	5.0	0.5	
		10.5	9.0	4.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.012	123	7.2	11.0	6.0	5.0	0.5	
		10.5	9.0	4.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.015	153	10.5	11.0	5.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.018	183	10.5	11.0	5.0	7.5	0.6	
		13.0	9.0	4.0	10.0	0.6	
0.022	223	10.5	11.0	5.0	7.5	0.6	
		13.0	11.0	5.0	10.0	0.6	

(μF)	Working		630Vdc (2J)				
	Voltage		400Vac				
	Code	W	H	T	P	dø	
0.027	273	10.5	12.0	6.0	7.5	0.6	
		13.0	11.0	5.0	10.0	0.6	
		17.5	11.0	5.0	15.0	0.8	
0.033	333	10.5	12.0	6.0	7.5	0.6	
		13.0	11.0	5.0	10.0	0.6	
		17.5	11.0	5.0	15.0	0.8	
0.039	393	13.0	12.0	6.0	10.0	0.6	
		17.5	11.0	5.0	15.0	0.8	
0.047	473	13.0	12.0	6.0	10.0	0.6	
		17.5	11.0	5.0	15.0	0.8	
0.056	563	17.5	11.0	5.0	15.0	0.8	
0.068	683	17.5	12.0	6.0	15.0	0.8	
0.082	823	17.5	12.0	6.0	15.0	0.8	
		26.5	15.0	6.0	22.5	0.8	
0.1	104	17.5	13.5	7.5	15.0	0.8	
		26.5	15.0	6.0	22.5	0.8	
0.12	124	17.5	13.5	7.5	15.0	0.8	
		26.5	15.0	6.0	22.5	0.8	
0.15	154	17.5	13.5	7.5	15.0	0.8	
		26.5	15.0	6.0	22.5	0.8	
0.18	184	17.5	14.5	8.5	15.0	0.8	
		26.5	15.0	6.0	22.5	0.8	
0.22	224	17.5	16.0	10.0	15.0	0.8	
		26.5	16.0	7.0	22.5	0.8	
0.27	274	17.5	19.0	11.0	15.0	0.8	
		26.5	17.0	8.5	22.5	0.8	
0.33	334	17.5	19.0	11.0	15.0	0.8	
		26.5	17.0	8.5	22.5	0.8	
		32.0	18.0	9.0	27.5	0.8	
0.39	394	26.5	18.5	10.0	22.5	0.8	
		32.0	18.0	9.0	27.5	0.8	
0.47	474	26.5	18.5	10.0	22.5	0.8	
		32.0	18.0	9.0	27.5	0.8	
0.56	564	26.5	20.0	11.0	22.5	0.8	
		32.0	20.0	11.0	27.5	0.8	
0.68	684	26.5	22.0	12.0	22.5	0.8	
		32.0	20.0	11.0	27.5	0.8	
0.82	824	32.0	20.0	11.0	27.5	0.8	
1	105	32.0	22.0	13.0	27.5	0.8	
1.2	125	32.0	24.5	15.0	27.5	0.8	
1.5	155	32.0	28.0	14.0	27.5	0.8	
1.8	185	32.0	33.0	18.0	27.5	0.8	
2.2	225	32.0	33.0	18.0	27.5	0.8	
2.7	275	32.0	37.0	22.0	27.5	0.8	
3.3	335	32.0	37.0	22.0	27.5	0.8	

CDBD: Box Type, Low Loss at High Frequency

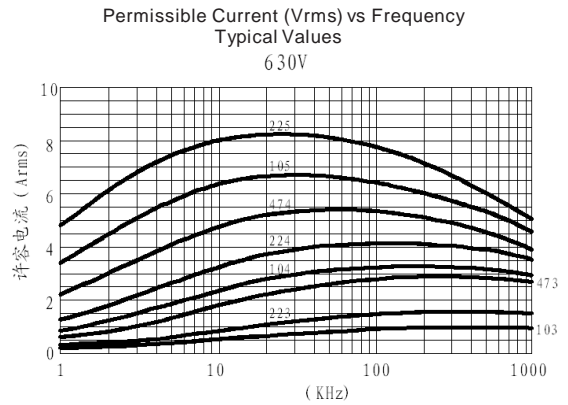
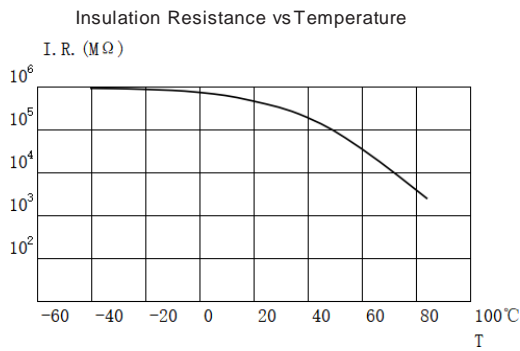
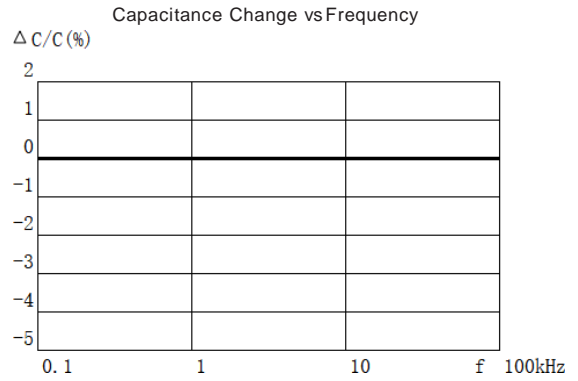
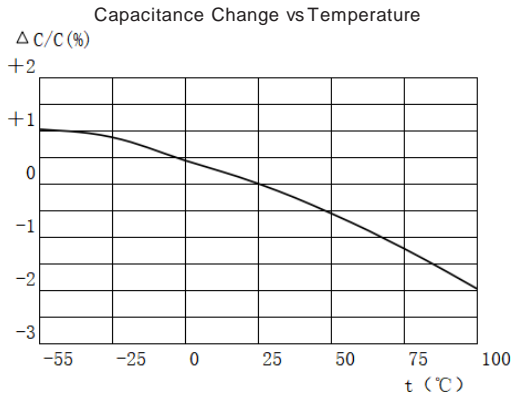
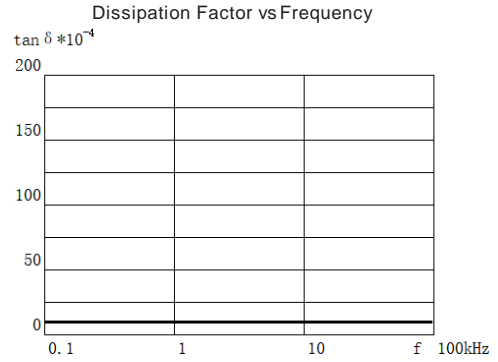
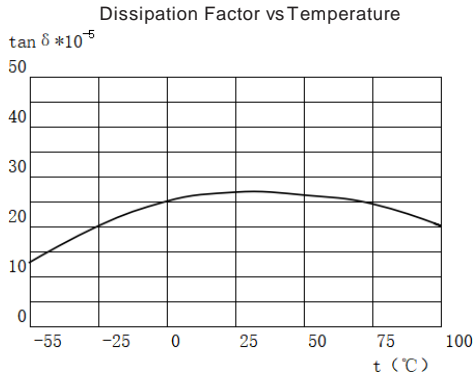

RATINGS & DIMENSIONS (mm) continue

(μF)	Working Voltage	1000VDC (3A)					1600Vdc (3C)					2000Vdc (3D)									
		600Vac					650Vac					700Vac									
	Code	W	H	T	P	dφ	W	H	T	P	dφ	W	H	T	P	dφ					
0.00056	561						17.5	11.0	5.0	15.0	0.8	17.5	11.0	5.0	15.0	0.8					
0.00068	681						17.5	11.0	5.0	15.0	0.8	17.5	11.0	5.0	15.0	0.8					
0.00082	821						17.5	11.0	5.0	15.0	0.8	17.5	11.0	5.0	15.0	0.8					
0.001	102	13.0	9.0	4.0	10.0	0.6	17.5	11.0	5.0	15.0	0.8	17.5	11.0	5.0	15.0	0.8					
0.0012	122	13.0	9.0	4.0	10.0	0.6	17.5	11.0	5.0	15.0	0.8	17.5	11.0	5.0	15.0	0.8					
0.0015	152	13.0	9.0	4.0	10.0	0.6	17.5	11.0	5.0	15.0	0.8	17.5	11.0	5.0	15.0	0.8					
0.0018	182	13.0	9.0	4.0	10.0	0.6	17.5	11.0	5.0	15.0	0.8	17.5	11.0	5.0	15.0	0.8					
0.0022	222	13.0	9.0	4.0	10.0	0.6	17.5	11.0	5.0	15.0	0.8	17.5	11.0	5.0	15.0	0.8					
		17.5	11.0	5.0	15.0	0.8															
0.0027	272	13.0	9.0	4.0	10.0	0.6	17.5	11.0	5.0	15.0	0.8	17.5	11.0	5.0	15.0	0.8					
		17.5	11.0	5.0	15.0	0.8															
0.0033	332	13.0	9.0	4.0	10.0	0.6	17.5	11.0	5.0	15.0	0.8	17.5	11.0	5.0	15.0	0.8					
		17.5	11.0	5.0	15.0	0.8															
0.0039	392	13.0	9.0	4.0	10.0	0.6	17.5	11.0	5.0	15.0	0.8	17.5	11.0	5.0	15.0	0.8					
		17.5	11.0	5.0	15.0	0.8															
0.0047	472	13.0	11.0	5.0	10.0	0.6	17.5	11.0	5.0	15.0	0.8	17.5	11.0	5.0	15.0	0.8					
		17.5	11.0	5.0	15.0	0.8															
0.0056	562	13.0	11.0	5.0	10.0	0.6	17.5	11.0	5.0	15.0	0.8	17.5	12.0	6.0	15.0	0.8					
		17.5	11.0	5.0	15.0	0.8															
0.0068	682	13.0	11.0	5.0	10.0	0.6	17.5	11.0	5.0	15.0	0.8	17.5	12.0	6.0	15.0	0.8					
		17.5	11.0	5.0	15.0	0.8						26.5	15.0	6.0	22.5	0.8					
0.0082	822	13.0	12.0	6.0	10.0	0.6	17.5	12.0	6.0	15.0	0.8	17.5	13.5	7.5	15.0	0.8					
		17.5	11.0	5.0	15.0	0.8						26.5	15.0	6.0	22.5	0.8					
0.01	103	13.0	12.0	6.0	10.0	0.6	17.5	12.0	6.0	15.0	0.8	17.5	13.5	7.5	15.0	0.8					
		17.5	11.0	5.0	15.0	0.8						26.5	15.0	6.0	22.5	0.8					
0.012	123	17.5	11.0	5.0	15.0	0.8	17.5	12.0	6.0	15.0	0.8	17.5	14.5	8.5	15.0	0.8					
		17.5	11.0	5.0	15.0	0.8						26.5	15.0	6.0	22.5	0.8					
0.015	153	17.5	12.0	6.0	15.0	0.8	17.5	13.5	7.5	15.0	0.8	17.5	14.5	8.5	15.0	0.8					
		17.5	12.0	6.0	15.0	0.8	26.5	15.0	6.0	22.5	0.8	26.5	15.0	6.0	22.5	0.8					
0.018	183	17.5	12.0	6.0	15.0	0.8	17.5	13.5	7.5	15.0	0.8	17.5	16.0	10.0	15.0	0.8					
		26.5	15.0	6.0	22.5	0.8	26.5	15.0	6.0	22.5	0.8	26.5	16.0	7.0	22.5	0.8					
0.022	223	17.5	13.5	7.5	15.0	0.8	17.5	14.5	8.5	15.0	0.8	17.5	19.0	11.0	15.0	0.8					
		26.5	15.0	6.0	22.5	0.8	26.5	15.0	6.0	22.5	0.8	26.5	17.0	8.5	22.5	0.8					
0.027	273	17.5	13.5	7.5	15.0	0.8	17.5	16.0	10.0	15.0	0.8	26.5	17.0	8.5	22.5	0.8					
		26.5	15.0	6.0	22.5	0.8	26.5	16.0	7.0	22.5	0.8										
0.033	333	17.5	14.5	8.5	15.0	0.8	17.5	16.0	10.0	15.0	0.8	26.5	18.5	10.0	22.5	0.8					
		26.5	15.0	6.0	22.5	0.8	26.5	16.0	7.0	22.5	0.8										
0.039	393	17.5	16.0	10.0	15.0	0.8	17.5	19.0	11.0	15.0	0.8	26.5	18.5	10.0	22.5	0.8					
		26.5	15.0	6.0	22.5	0.8	26.5	17.0	8.5	22.5	0.8										
0.047	473	17.5	16.0	10.0	15.0	0.8	17.5	19.0	11.0	15.0	0.8	26.5	22.0	12.0	22.5	0.8					
		26.5	16.0	7.0	22.5	0.8	26.5	18.5	10.0	22.5	0.8										
0.056	563	17.5	19.0	11.0	15.0	0.8	26.5	18.5	10.0	22.5	0.8	26.5	22.0	12.0	22.5	0.8					
		26.5	16.0	7.0	22.5	0.8															
0.068	683	17.5	19.0	11.0	15.0	0.8	26.5	22.0	12.0	22.5	0.8										
		26.5	17.0	8.5	22.5	0.8															
0.082	823	22.5	17.0	8.5	22.5	0.8	26.5	22.0	12.0	22.5	0.8										
0.1	104	26.5	18.5	10.0	22.5	0.8	26.5	22.0	12.0	22.5	0.8										
0.12	124	26.5	22.0	12.0	22.5	0.8															
0.15	154	26.5	22.0	12.0	22.5	0.8															



CDBD: Box Type, Low Loss at High Frequency

Vrms vs. Frequency, typical value





CDBD: Box Type, Low Loss at High Frequency

RADIAL TAPING

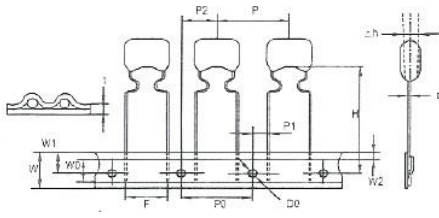


Fig. 1 Epoxy Coated
F=5 and 7.5mm
(RT1 or RT2)

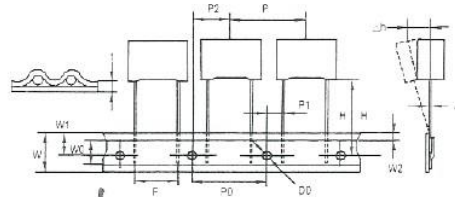


Fig. 2 Box
F=5 and 7.5mm
(RT1 or RT2)

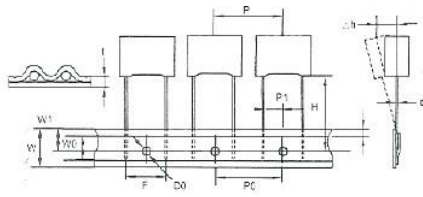


Fig. 3 Box
Fitch=7.5mm
Ammo Only
(RT2)

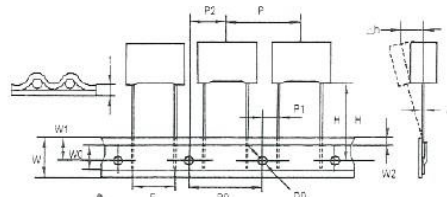


Fig. 4 Box or Epoxy Coated
F=10 - Ammo Only
F=15 Every other space skipped because
of Larger body - Ammo Only
(RT3 or RT4)

SPECIFICATIONS

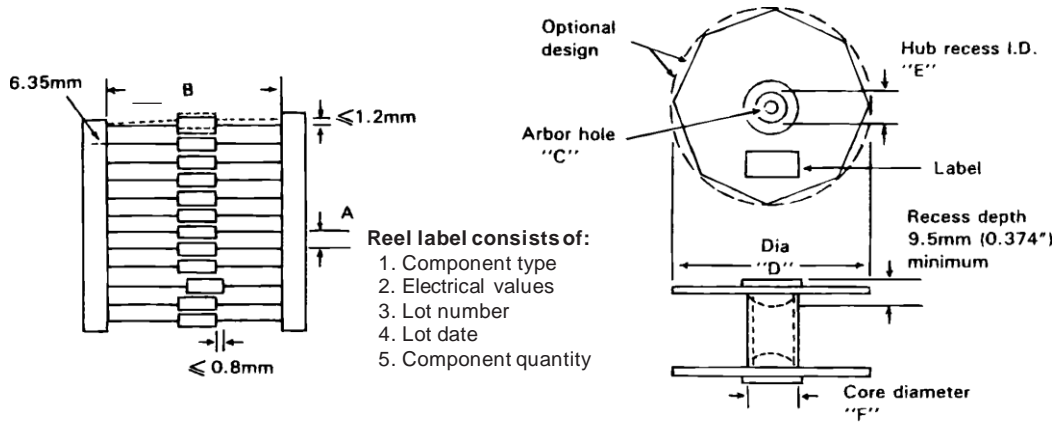
Description	Letter	Dimension (mm)				Tol.
		RT1	RT2	RT3	RT4	
Lead Wire Diameter	d	0.5 / 0.6	0.5 / 0.6	0.6	0.6 / 0.8	± 0.05
Tape Pitch	P	12.7	12.7	12.7	25.4	± 1
Feed Hole Pitch	PO	12.7	12.7	12.7	12.7	± 0.2
Centering of the Lead Wire	P1	3.85	2.6 / 3.75	7.7	5.2	± 0.7
Centering of the Body	P2	6.35	6.35	12.7	12.7	± 1.3
Lead Spacing (Pitch)	F	5	7.5	10	15	+ 0.6; -0.1
Component Alignment	Δh	0	0	0	0	± 2
Height of Component from Tape Center	H	18.5	18.5	18.5	18.5	± 0.5
Carrier Tape Width	W	18	18	18	18	+ 1; -0.5
Hold Down on Tape Width	WO	6	6	9	10	Min
Hole Position	W1	9	9	9	9	± 0.5
Hold Down on Tape Position	W2	3	3	3	3	Max
Feed Hole Diameter	Do	4	4	4	4	± 0.2
Tape Thickness	t	0.5	0.5	0.5	0.5	± 0.2
Figure	fig	1 or 2	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%.

CDBD: Box Type, Low Loss at High Frequency

EIA STANDARD RS-296-D AXIAL TAPE & REEL

SPECIFICATIONS

Body Diameter	Body Length	Quantity Per Reel	Parts Spacing ±0.5mm (A)	Tape Spacing ±1.5mm (B)	Arbor Hole (C)	Reel Diameter (D)	Hub Recess (E)	Core Diameter (F)
≤5mm (0.197")	≤16.5mm (0.65")	4000	5mm (0.2")	52.44mm (2.062")	13.9mm to 38.1mm	76.2mm to 355.6mm	28.6mm to 78.0mm	34.5mm to 92.0mm
	16.51 - 28.45mm (0.651 - 1.12")	4000	5mm (0.2")	63.5mm (2.5")				
	28.46 - 37.00mm (1.121 - 1.45")	4000	5mm (0.2")	73.0mm (2.874")				
5.01 - 10mm (0.197 - 0.394")	≤16.5mm (0.65")	2000	10mm (0.4")	52.44mm (2.062")	0.054" to 1.5"	3.0" to 14.0"	1.126" to 3.071"	1.374" to 3.626"
	16.51 - 28.45mm (0.651 - 1.12")	2000	10mm (0.4")	63.5mm (2.5")				
	28.46 - 37.00mm (1.121 - 1.45")	2000	10mm (0.4")	73.0mm (2.874")				
10.01 - 15mm (0.394 - 0.591")	≤16.5mm (0.65")	1000	15mm (0.6")	52.44mm (2.062")	1.5"	14.0"	3.071"	3.626"
	16.51 - 28.45mm (0.651 - 1.12")	1000	15mm (0.6")	63.5mm (2.5")				
	28.46 - 37.00mm (1.121 - 1.45")	1000	15mm (0.6")	73.0mm (2.874")				

PACKAGING

Packaging Type	Reel Packing		Ammo Box Packing	
	Diagram	Dimensions	Diagram	Dimensions
Dimensions unit: mm	A	14 ~ 30	A	50 ⁺⁵ -2
	B	80 min	B	260±2
	D	370 max	C	330±2
	W1	45 ⁺⁵ -2		
	W2	55max		
Packing Qty Per Reel/Box	C≤0.022 1,500pcs	C>0.022 1,000pcs	C≤0.047 1,500pcs	C>0.047 1,000pcs