



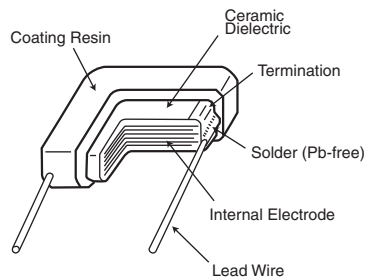
◆FEATURES

1. Small in size and wide capacitance range.
Max. 33 μ F is available.
2. Temperature characteristic is X7R in EIA code.
3. Superior humidity characteristic and long life.
4. Excellent high frequency characteristic due to low ESR.
5. High rated ripple current.
6. 250V_{dc} items are available.
7. Resin(UL94 V-0) used for coating.
8. Pb-free design(also ceramic dielectric)

◆APPLICATIONS

1. Smoothing circuit of switching mode AC-DC or DC-DC converter.
2. Noise suppressor for various kinds of equipments.
3. By-pass or decoupling circuits.
4. Automotive equipments.

◆CONSTRUCTION



◆RATINGS

1. Category Temperature Range	-55 to +125°C
2. Rated Voltage Range	25, 50, 100, 250 V _{dc}
3. Rated Capacitance Range	0.1 to 33 μ F
4. Rated Capacitance Tolerance	M(\pm 20%)
5. Temperature Characteristics	X7R
6. Rated Ripple Current	See No.5 on the following table

◆SPECIFICATIONS

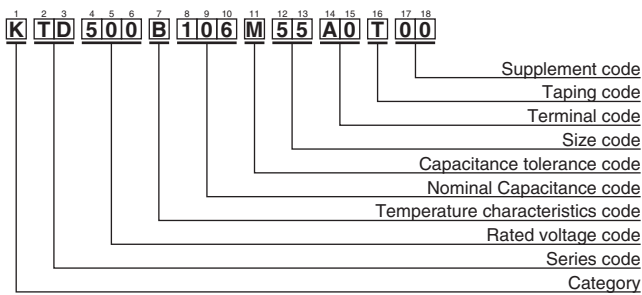
No.	Items	Specification	Test Condition						
1	Withstand Voltage	No abnormality.	250% of rated voltage shall be applied for 5 seconds. (Only 250V _{dc} products : 475V)						
	Between Terminals								
	Terminals to Coating Resin								
2	Insulation Resistance	100/C _R (M Ω) or 4000(M Ω) whichever is less.	Rated voltage shall be applied for 60 \pm 5 seconds at temperature 25 \pm 2°C.						
3	Rated Capacitance	Within specified tolerance.	<table border="1"> <tr> <td></td> <td>C_R≤10μF</td> <td>C_R>10μF</td> </tr> <tr> <td>Temperature</td> <td colspan="2">25\pm2°C</td> </tr> </table>		C _R ≤10 μ F	C _R >10 μ F	Temperature	25 \pm 2°C	
				C _R ≤10 μ F	C _R >10 μ F				
Temperature	25 \pm 2°C								
4	Dissipation Factor	5.0% maximum.	Frequency	1 \pm 0.1kHz	120 \pm 12Hz				
			Voltage	1 \pm 0.2V _{rms}	0.5 \pm 0.2V _{rms}				

◆STANDARD RATINGS

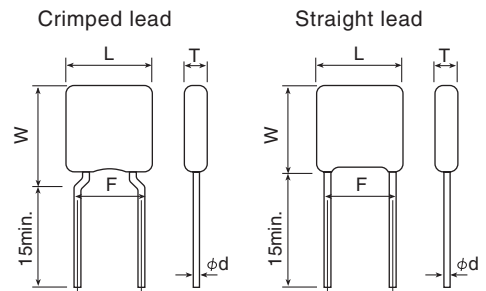
Rated voltage (Vdc)	Rated Capacitance (μF)	Dimensions(mm)					Maximum ripple current (Arms)	Part Number
		Lmax.	Wmax.	Tmax.	F±0.8	φ±0.05		
25	3.3	5.0	6.0	3.5	5.0	0.5	0.3	KTD250B335M32A0T00
	4.7							KTD250B475M32A0T00
	6.8							KTD250B685M43A0T00
	10	6.5	6.5	4.0	5.0	0.5	0.8	KTD250B106M43A0T00
	15							KTD250B156M43A0T00
	15							KTD250B156M55A0T00
	22	7.5	9.0	4.5	5.0	0.5	1.0	KTD250B226M55A0T00
	33							KTD250B336M55A0T00
50	1.0	5.0	6.0	3.5	5.0	0.5	0.3	KTD500B105M32A0T00
	1.5							KTD500B155M32A0T00
	2.2							KTD500B225M32A0T00
	3.3							KTD500B335M32A0T00
	4.7	6.5	6.5	4.0	5.0	0.5	0.8	KTD500B475M43A0T00
	6.8							KTD500B685M43A0T00
	10							KTD500B106M55A0T00
	15	7.5	9.0	4.5	5.0	0.5	1.0	KTD500B156M55A0T00
100	0.33	5.0	6.0	3.5	5.0	0.5	0.3	KTD101B334M32A0T00
	0.47							KTD101B474M32A0T00
	0.68							KTD101B684M32A0T00
	1							KTD101B105M32A0T00
	1.5							KTD101B155M32A0T00
	2.2							KTD101B225M32A0T00
	1.5	6.5	6.5	4.0	5.0	0.5	0.8	KTD101B155M43A0T00
	2.2							KTD101B225M43A0T00
	3.3							KTD101B335M43A0T00
	4.7							KTD101B475M43A0T00
	3.3	7.5	9.0	4.5	5.0	0.5	1.0	KTD101B335M55A0T00
	4.7			KTD101B475M55A0T00				
	6.8			KTD101B685M55A0T00				
250	0.1	5.0	6.0	3.5	5.0	0.5	0.3	KTD251B104M32A0T00
	0.15							KTD251B154M32A0T00
	0.22							KTD251B224M32A0T00
	0.33							KTD251B334M32A0T00
	0.47	6.5	6.5	4.0	5.0	0.5	0.8	KTD251B474M43A0T00
	0.68							KTD251B684M43A0T00
	1							KTD251B105M55A0T00
	1.5	7.5	9.0	4.5	5.0	0.5	1.0	KTD251B155M55A0T00

※ Please consult with us when you consider the rating other than a standard table.

◆PART NUMBERING SYSTEM



◆DIMENSIONS



Please refer to "Part Numbering System" of the beginning of a catalog for the details.