

## **Application & Main Feature**

Commercial Grade (Safety Standard Approved)

## Series

Characterization Sheet

**公TDK** 

CD45 Series

DimensionsD7.0mm Max.F10.0mm +2.0.1.0mmd0.6mm +/-1.0mmf5.0mm +/-1.0mmf5.0mm +/-1.0mmf0.6mm +/-0.05nmf0.6mm +/-0.05nm	Dimensions								
D 7.0mm Max. F 6.0mm Max. F 10.0mm +2.0.01.0mm d 0.6mm +/-0.05mm d 5.0mm +/-1.0mm Temperature Characteristic SL(+350 to -1000ppm/degC) Rated Voltage 400Vac Vilistanding Voltage 4000Vac Capacitance 22pF Capacitance 22pF Capacitance 22pF Capacitance 22pF Capacitance 1000Mhorm Min. Insulation Resistance 1000Mhorm Min. AEC-2200 Not Applicable Lead Length / Package Type	Dimensions					1000	Z  vs. Freq. Character	istic	
F 10.0mm +2.0.10m d 0.6mm +/-0.05mm f 5.0mm +/-10.0mm f 2.50m +/-10.0mm f 2.14350 to -1000ppm/degC) Rated Voltage 400Vac Withstanding Voltage 4000Vac Capacitance 22pF Capacitance 22pF Capacitance 22pF Capacitance 22pF Capacitance 22pF Capacitance 10000Mhorm Min. Insulation Resistance 10000Mhorm Min. AEC-2200 Not Applicable Lead Length / Package Type						1000			
d 0.6mm +/-0.05mm g. 0mm +/-1.0mm Temperature Characteristic SL(+350 to -1000ppm/degC) Rated Voltage 4000Vac Vithstanding Voltage 4000Vac Vithstanding Voltage 4000Vac Capacitance 22pF Capacitance 22pF Capacitance 22pF Capacitance 22pF Capacitance 22pF Capacitance +/-5% Dissipation Factor 0.5% Max. Insulation Resistance 1000Mhorm Min. AEC-Q200 Not Applicable Lead Length / Package Type									
l S.0mm +/-1.0mm Temperature Characteristic SL(+350 to -1000ppm/degC) Rated Voltage 400Vac Vithstanding Voltage 4000Vac Capacitance 222 F Capacitance Tolerance +/-5% Dissipation Factor 0.5% Max. Insulation Resistance 10000Mhorm Min. AEC-0200 Not Applicable Lead Length / Package Type									
SL(+350 to -1000ppm/degC) Rated Voltage 400Vac Withstanding Voltage 4000Vac Capacitance 22pF Capacitance 22pF Capacitance +/-5% Dissipation Factor 0.5% Max. Insulation Resistance 10000Mhorm Min. AEC-0200 Not Applicable Lead Length / Package Type						Ę ,			
SL(+350 to -1000ppm/degC) Rated Voltage 400Vac Withstanding Voltage 4000Vac Capacitance 22pF Capacitance 22pF Capacitance +/-5% Dissipation Factor 0.5% Max. Insulation Resistance 10000Mhorm Min. AEC-0200 Not Applicable Lead Length / Package Type	Temperature	Characteristic				2/10 Z			
Kated Voltage 400Vac       0.1       0.1       0.00       100         Withstanding Voltage 4000Vac       Frequency/MHz       0.00       Frequency/MHz         Capacitance 22pF       Capacitance +/-5%       0.00       Frequency/MHz       0.00         Dissipation Factor 0.5% Max.       0.00       0.00       Frequency/MHz       0.00         Insulation Resistance 10000Mhorm Min.       0.00					¢				
400Vac Withstanding Voltage 4000Vac Capacitance 22pF Capacitance Tolerance +/-5% Dissipation Factor 0.5% Max. Insulation Resistance 10000Mhorm Min. AEC-Q200 Not Applicable Lead Length / Package Type	Rated Voltac	16		<mark> </mark>	ød				
Withstanding Voltage 4000VacFrequency/MHzCapacitance 22pFTemperature Characteristic o 5% Max.Leak CurrentDissipation Factor 0.5% Max.Insulation Resistance 10000Mhorm Min.Log o 2 o 2 o 2Temperature/dagCOutput o 2 o 2 o 2 o 2Temperature/dagCAEC-Q200 Not ApplicableAEC-Q200 Voltage/VrmsVoltage/Vrms		) -						1000	
4000Vac Capacitance 22pF Capacitance Tolerance +/-5% Dissipation Factor 0.5% Max. Insulation Resistance 10000Mhorm Min. AEC-Q200 Not Applicable Lead Length / Package Type	Withstanding	Voltage				100	Frequency/MHz	1000	
22pF Capacitance Tolerance +/-5% Dissipation Factor 0.5% Max. Insulation Resistance 10000Mhorm Min. AEC-Q200 Not Applicable Lead Length / Package Type									
22pF Capacitance Tolerance +/-5% Dissipation Factor 0.5% Max. Insulation Resistance 10000Mhorm Min. AEC-Q200 Not Applicable Lead Length / Package Type	Capacitance								
Capacitance Tolerance         +/-5%         Dissipation Factor         0.5% Max.         Insulation Resistance         10000Mhorm Min.         AEC-Q200         Not Applicable         Lead Length / Package Type			Temperature Characteristic				Leak Current		
<ul> <li>+/-5%</li> <li>Dissipation Factor 0.5% Max.</li> <li>Insulation Resistance 10000Mhorm Min.</li> <li>AEC-Q200 Not Applicable</li> <li>Lead Length / Package Type</li> </ul>	Capacitance Tolerance		20	remperature		0.03			
AEC-Q200       Not Applicable       -20       -20       0       20       40       60       80       100       1000       2000       3000       4000       5000         Lead Length / Package Type       Temperature/degC       Voltage/Vrms						o 0.025			
AEC-Q200       Not Applicable       -20       -20       0       20       40       60       80       100       1000       2000       3000       4000       5000         Lead Length / Package Type       Temperature/degC       Voltage/Vrms		actor	8 10			E 0.02			
AEC-Q200       Not Applicable       -20       -20       0       20       40       60       80       100       1000       2000       3000       4000       5000         Lead Length / Package Type       Temperature/degC       Voltage/Vrms	Dissination F								
AEC-Q200       Not Applicable       -20       -20       0       20       40       60       80       100       1000       2000       3000       4000       5000         Lead Length / Package Type       Temperature/degC       Voltage/Vrms			ja 🔶	•••••					
AEC-Q200       -20       -20       0       20       40       60       80       100       0       1000       2000       3000       4000       5000         Lead Length / Package Type       Temperature/degC       Voltage/Vrms	0.5% M	ax.	0 Change	••-•••					
AEC-Q200       -20       -20       -20       0       20       40       5000         Not Applicable       -20       -20       0       20       40       60       80       100       0       1000       2000       3000       4000       5000         Lead Length / Package Type       Temperature/degC       Voltage/Vrms	0.5% M	ax. esistance	p. Change	*******	**	0.015 0.015 0.01			
Not Applicable         -20         -20         0         20         40         -20         0         20         400         5000           Lead Length / Package Type         Temperature/degC         Voltage/Vrms	0.5% Ma Insulation Re 10000M	ax. esistance	0 Under Change			E 0.015 D 0.01 B 0.005			
Lead Length / Package Type         Temperature/degC         Voltage/Vrms	0.5% Ma Insulation Re 10000M AEC-Q200	ax. esistance horm Min.				200.0 E			
	0.5% Ma Insulation Re 10000M AEC-Q200	ax. esistance horm Min.	-20	0 0 20	40 60 80	0.005 Leg	1000 2000 3000	4000 5000	
	0.5% Ma Insulation Re 10000M AEC-Q200 Not App	ax. esistance horm Min. licable	-20			0.005 Leg		4000 5000	
	0.5% Ma Insulation Re 10000M AEC-Q200 Not App Lead Length	ax. esistance horm Min. licable / Package Type	-20			0.005 Leg		4000 5000	

All specifications are subject to change without notice.