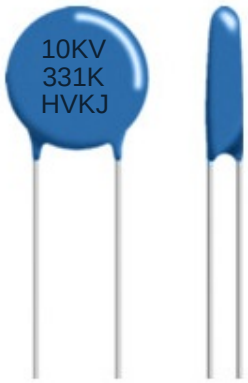
CT81-Y5T-502-10KV331K

产品简介/Introduction :	参考外形/Outline drawing：
CT81系列高压电容器采用高品质的陶瓷原料制造而成。该电容器在连续使用过程中温度特性非常稳定，容量漂移低，低损耗，频率特性可靠等特点。 The CT81 Series class high voltage capacitor line from Dean Technology uses high dielectric constant ferroelectric materials. Some key features of this capacitor series include stable temperature characteristics, excellent voltage coefficient behavior, reliable voltage and frequency performance with predictable change of capacitance over time.	

特点/Specific Reatures：	应用/Application：
低损耗Low Loss	静电倍压电路Electrostatic voltage doubler circuit
容量漂移低Low capacity drift	植绒设备Flocking equipment machinery
稳定性高High Stability	喷涂设备Spraying equipment
符合RoHS Compliant	高压电源用For high voltage power supply

电气特性/Electrical Characteristics：(Ta = 25 ° C)

项目/Item	条件/Remark	性能/Performance	单位/Units
引用标准/Reference Standard		GB9599-88 / EIA	
标称容量/Capacitance		330	pF
额定电压/Rated Voltage	1kHz ±20%	10	kV(DC)
耐电压/Voltage Proof		UT=1.3(5s)	
额定温度/Rated Voltage		85	° C
允许误差/Tolerance		K (见/See The) ①	
温度特性/Temperature Characteristic		Y5T (见/See The) ②	
正切损耗/Dissipation Factor	1kHz ±20%	≤0.3%	
绝缘电阻/Insularion Resistance	DC1000V	≥ 10,000 (min)	M Ω
使用温度范围/Cperating Temperature Range		-25 ~+85	° C

温度特性/Temperature Characteristics Available:			误差说明/Tolerance Explain：	
1st Letter	Number	Last Letter	Code Letter	Tolerance
Y= -30 ° C	5= 85 ° C	P= ±10%	J	±5%
Z= +10 ° C		R= ±15%	K	±10%
		T= +22%/-33%	M	±20%
		U= +22%/-56%	Z	+80%/-20%
		V= +22%/-82%	P	+100%/-0%

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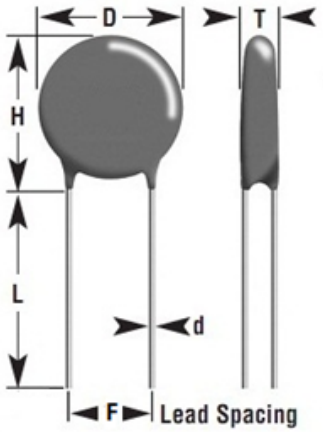
外形尺寸/Dimensions :(Unit:mm)

D	7.8 ±0.5
T	5.9 ±0.5
H	10.5 ±0.5
F	7.5
L	25(MIN)
d	0.6 ±0.02
净重： Net weight:	0.85 克/只（约） Grams /Pieces (approx)
最小包装数量 Min Packing Qty:	1000 只/袋 Pieces/Bag



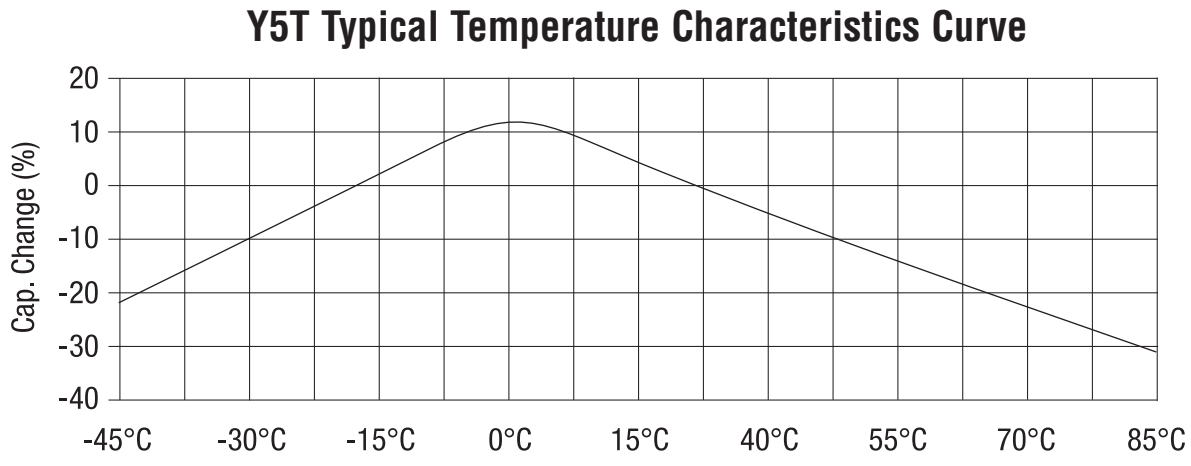
命名规则/Naming Rules:

CT81 - Y5T - 502 - 10KV 331 K

- CT81 └第二类高电压陶瓷介质电容器/Second types of high voltage ceramic dielectric capacitor.
- Y5T └温度特性 / Temperature Characteristics Available（见/See The）②
- 502 └陶瓷粉料代码 / Ceramic powder material code
- 10KV └额定电压 / Rated Voltage.
- 331 └标称容量 / Capacitance（见/See The）③
- K └允许误差 / Tolerance（见/See The）①

容量表示方式/Capacitance Representation::

3 3 1=33x10=330pF

- 第一位有效数字/First significant digit。
- 第二位有效数字/Second significant digits。
- 第三位数字表示倍数/Third bit representation multiple: 0= x0, 1= x10, 2= x100, 3= x1000, 4= x10000,

Y5T 温度特性曲线图/Typical Temperature Characteristics Curve: