

KCT82 series / AC Live Line High Voltage Ceramic Capacitor - Screw Terminal

General Technical Characteristics 一般特性

Excellent withstand voltage, excellent behavior on pulse and fast discharge conditions.
 耐压高，在脉冲和快速放电条件下表现优异。
 Low dissipation factor, low partial discharge.
 耗散因素低，局部放电低。
 Coated with flame-retardant epoxy resin. coated and uncoated devices available.
 阻燃环氧树脂包封。包封与不包封均可提供。

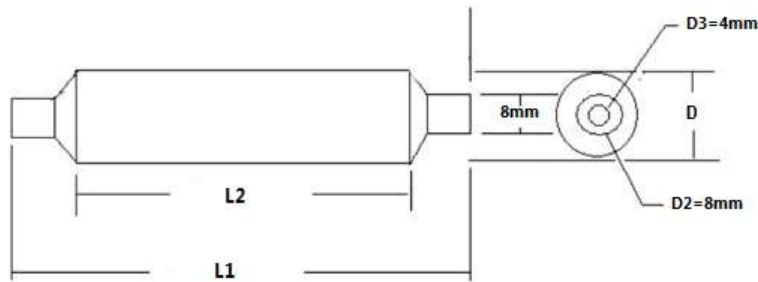
Typical Applications 典型应用

Applied in live line indicators, AC dividers, grading systems for power distribution network, protection for HV switches and power circuit breakers. Coupling, by-passing high frequency circuits.
 用于电力系统的带电显示电路，实时线路指示应用，指示导线，电容式绝缘体，SF6断路器，真空断路器，避雷器或电压互感器上的电压。

Electrical Characteristics 电气特性

Operating Temperature 操作温度: -25° C ~ +85° C
 Rated Voltage 额定电压: 3.6KV ~ 36KV
 Capacitance Range 电容量范围: 10pF ~ 1000pF
 Capacitance Tolerance 电容量偏差: ±10%(K)
 Dielectric loss 损耗角正切值: 0.5% at 1V/1KHZ
 Partial discharge 局部放电: <10 PC
 Insulation resistance 绝缘电阻: 10,000 MΩ min.

Outline Drawing 外形图



Part Number System 产品编码说明

<u>KCT82</u>	<u>36KV</u>	<u>500</u>	<u>K</u>	<u>16</u>	<u>A</u>
型号代码	额定电压	容量	容量偏差	直径	类型
Series Code:	Voltage:	Capacitance:	Cap. Tol.:	Diameter:	Type: A
KCT82	36KV	500: 50pF	J: ± 5% K: ± 10% M: ± 20%	16: 16mm	

Electrical Specification & Part Numbers Reference 规格型号参考 (mm)

Capacitance	Voltage KV	Tol. %	D	L1	L2	M	Withstand Voltage KV	Test Voltage KV	Part Number
20PF	12	10	14.5	52	40	4	48	75	KCT8212KV200K145A
40PF	12	10	11	42	30	4	48	75	KCT8212KV400K11A
15PF	24	10	11.5	64	52	4	68	125	KCT8224KV150K115A
50PF	24	10	14	70	58	4	100	125	KCT8224KV500K14A
90PF	24	10	14	62	50	4	68	125	KCT8224KV900K14A
120PF	24	10	14	70	58	4	68	125	KCT8224KV121K14A
150PF	24	10	17	81	61	5	68	185	KCT8224KV151K17A
50PF	36	10	16	81	61	5	100	185	KCT8236KV500K16A

Remark: Customization for special specification and requirement is available.