圆柱形高压陶瓷电容

TMCC02-183M40KVB80R30HI

产品性能 Features

- **环氧树脂封装-装配高介电陶瓷确保优良的储电性能** Resin Encapsulation - which in conjunction with the highdielectric strength ceramic allows for high energy densities.
- **介质损耗低，无功功率小** Low dielectric loss resulting in low self heating
- **优良的温度特性** Linear temperature coefficient of capacitance
- **无压电/铁电伸缩性影响—优越的快速充放电特性** Negligible piezoelectric/electrostrictive effect - allowing use in extremely high peak current (fast discharge) / high shot life applications
- **较低的 DC 和 AC 电压/容量变化系数** Low DC and AC voltage coefficients

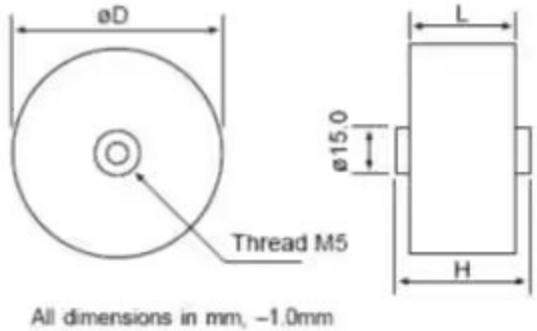
产品应用 Applications include

- 气体激光器 Gas Lasers
- 静电涂装设备 Electrostatic Copying Machines
- 交流 AC 电压分压应用 AC Voltage Distribution

直流高压电源 DC Power Supplies
高频脉冲发生 Lightning Arrestor
X-Ray 高压电源 X-Ray Power Supplies

材料特性 Material Characteristics

温度特性	EIA Category	Y5U from -25 – 85 ℃
允许误差	Available Tolerance	K=10%, M=20%
介质损耗	Typical Dissipation Factor @ 1kHz 20 ℃ 1Vrms	$=<1x10^{-3}$
测试耐压	Proof Voltage; =<40kV	1.5 x Ur / 60secs
测试耐压	Proof Voltage; >40kV	1.3 x Ur / 60secs
局放电压	Partial Discharge	<5pC @ AC rated Voltage
绝缘电阻	Insulation Resistance @ 1kVdc, 60secs, 20 ℃	$>=10^{11}$ohm
使用温度	Operating Temperature Range	-25 to +85 ℃
老化试验	Endurance	1000hrs @ 1.1Ur @ 60 ℃



All dimensions in mm, –1.0mm

订货号码 Type	静电容量 pF Cap Value	额定电压 kV dc Rated Voltage	测试电压 kV Tested Voltage	直径 mm (±1) Dim øD	总高度 mm (±1) Dim H	本体高度 mm (±1) Dim L
TMCC02-183M40KVB80R30HI	18000	40	60	80	30	26