

优点

1. PMLCAP®优点

- ◆采用聚合物薄膜作为诱电体
PMLCAP®为聚合物薄膜和铝箔的层积结构，与已有的薄膜电容器相比，实现大幅度小型化和轻量化。
- ◆选用温度特性优异的诱电体材料
在额定使用温度范围，
具有平坦的温度特性，不需要电压降额使用。
- ◆不因压电效应产生特性变动
因为没有压电效应所以蜂鸣音很少发生，也不会有因施加直流电压而使容量减少等等拥有很多卓越特性。
采用真空金属蒸镀膜工艺形成的聚合物薄膜作为诱电体，
高频失真率十分卓越，最适合做音响机器的高音质零部件。
- ◆减少冒烟，着火的风险
由于使用难燃性材料，降低了冒烟，着火的风险。
- ◆低诱电吸收
由于使用诱电吸收性低的诱电体，实现了低诱电吸收特性。
- ◆对应无铅回流焊
具有高的焊接耐热性，可以对应无铅回流焊。
(引线型的LDT系列是对象外)

2. 用途

- ◆用于DC/DC转换器的输入输出
- ◆用于各种电子电路外围设备
(DSP驱动电源的去耦，低通滤波器，旁路电路，信号线耦合等)
- ◆用于旁路电路减少EMC噪音

FEATURES

1. FEATURES OF PMLCAP®

- ◆**The dielectric polymer is submicron thickness**
Structure of PMLCAP® piles up dielectric thin film and inner electrode (aluminum) in turn. Achieved small size, lightweight and high capacitance compared with conventional film capacitors.
- ◆**The dielectric material which has excellent temperature characteristics is selected**
Within category temperature range, capacitors have excellent temperature characteristics, and capacitors can be used without voltage derating.
- ◆**Excellent characteristics**
Excellent characteristics "less buzz" and "no capacitance change by DC bias" due to no piezoelectric effect.
Ideal high quality parts for sound equipment with less harmonic distortion, using a dielectric thin film polymer formed by vacuum deposition.
- ◆**Avoidance of risk of ignition and smoking**
The risk of ignition and smoking are decreased by using non-self-ignition materials.
- ◆**Low dielectric absorption**
Characterized low dielectric absorption by using dielectric of low dielectric absorption.
- ◆**Pb-free reflow soldering method available**
Capacitors have applicability to Pb-free reflow soldering. (Except for radial lead type "LDT series")

2. APPLICATIONS

- ◆For I/O of DC/DC converters
- ◆For around various digital circuits (Decoupling of DSP driving power supply, Low pass filter, By-pass circuit, Coupling between signal lines, etc.)
- ◆For By-pass circuit to decrease EMC noise