

## 优点

### 1. PMLCAP® 优点

- ◆ **采用聚合物薄膜作为诱导体**  
PMLCAP®为聚合物薄膜和铝箔的积层结构，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导体材料**  
在额定使用温度范围(-55~+125℃)，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**  
“偏压特性”、“蜂鸣音特性”、“高频失真率”等十分卓越。
- ◆ **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导体，实现低诱电吸收特性。
- ◆ **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。

### 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噪声

## FEATURE

### 1. FEATURE 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 (-55~+125℃), capacitors have excellent temperature characteristics, and capacitors can be used without voltage derating.
- ◆ **Excellent characteristics**  
Good “bias characteristics”, “buzz characteristics” and “harmonic distortion characteristics”.
- ◆ **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.

### 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