

OUTLINE

1. OUTLINE OF PMLCAP®

PMLCAP® is a thin polymer film capacitor which has flat and excellent ESR characteristics within a wide temperature range (up to 125°C) while achieving extreme miniaturization. This is achieved by alternately stacking the thin film polymer and aluminum. Moreover weight is 1/4 of MLCC.

PMLCAP® is suitable for most electronics due to small size and light weight. It is also ideal for audio applications which demand high quality output and pure tone.

2. FEATURES

- ◆ **The polymer layer is employed as the dielectric**
Achieved small size, lightweight, high capacitance compared with conventional film capacitors.
- ◆ **Polymer material is selected to pursue superior performance at high-temperature**
Achieved good frequency and temperature characteristics in high capacitance capacitors.
- ◆ **No characteristic change by piezoelectricity**
Good "bias characteristics", "buzz characteristics" and "harmonic distortion characteristics".

3. 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
- ◆ For Automotive ECU