

Type MLPS/MLPSR 105 °C Flatpack, Ultra Long Life, Aluminum Electrolytic

Very Low Profile

Type MLPS Flatpack aluminum electrolytic capacitors offer high capacitance density in a low-profile package at 105 °C. Their welded seals and rugged construction provide extraordinary long-life and reliability needed for ruggedized, commercial, and military-grade power supplies. MLPS Flatpacks have been fully tested to 10,000 hours at rated voltage and ripple current at 105 °C.

Highlights

- Military-grade flat electrolytics, now optimized for 105 °C applications
- Life tested to 10,000 hours @ 105 °C, Rated Vdc
- High vibration resistance up to 20g (HV Option)
- High reliability burn-in available (48 hrs @ Vr, 105 °C)
- Welded seal resists “dry-out,” typical of conventional electrolytics.

Specifications

Capacitance Range	120 μ F to 51,000 μ F
Capacitance Tolerance	\pm 20%
Voltage Range	7.5 Vdc to 450 Vdc
Operating Temperature	-55 °C to 105 °C
Endurance Life Test	10,000 Hours 105°C At Rated Ripple Load Δ Capacitance \pm 15% ESR < 2X Catalog Limit DCL \leq 0.004 CV μ A



Applications Include

Power supplies for commercial and military aircraft, shipboard and ground-based radar systems.



<https://www.cde.com/new-product/mlps/>



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