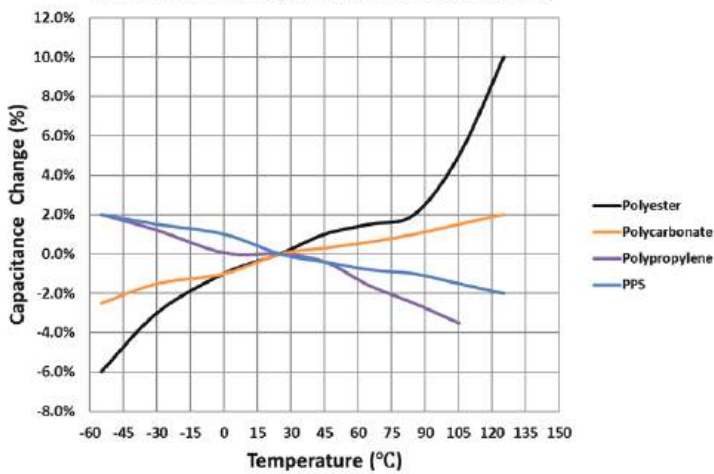


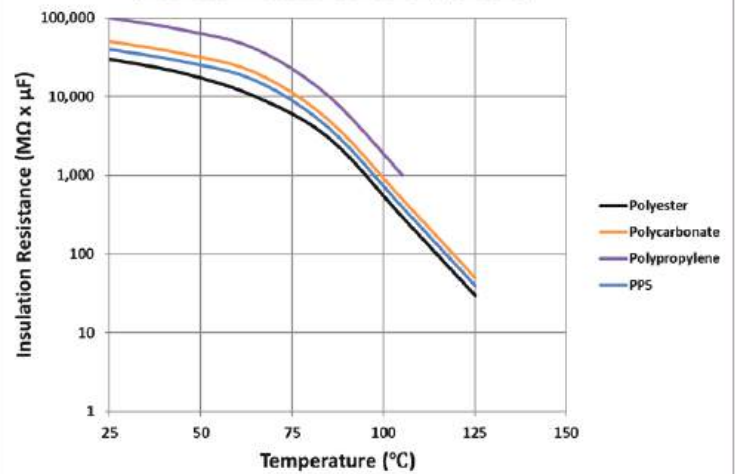
CAPACITORS BUILT TO ENDURE THE EXTREME.



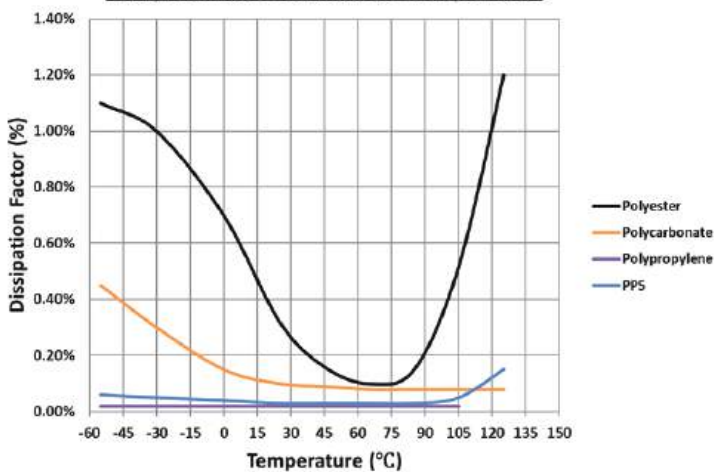
Capacitance Change at 1kHz vs. Temperature



Insulation Resistance vs. Temperature



Dissipation Factor at 1kHz vs. Temperature



Qualifications

- ISO9001
- UL 810 Recognized
- AS9100

Qualified Military Standards and Specifications

- MIL-PRF-39022
- MIL-PRF-83421
- QPL
- MIL-PRF-55514
- MIL-STD-790
- Z540 Calibration

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UP3 Series- Unlytic® Polypropylene

- Operating Temperature Range: -40°C to +85°C
- Capacitance Range: 25µF to 2100µF
- Voltage Range: 600VDC to 3000VDC
- Long Life: > 100,000 hours
- Low ESL & ESR
- High RMS current capability
- High surge voltage capability: 1.5 x VDC
- Surge current: 1.5 x Ipk
- RoHS compliant



UL3 Series- Unlytic®

- Operating Temperature Range: -55°C to +105°C
- Capacitance Range: 6.5µF to 300µF
- Voltage Range: 500VDC to 2200VDC
- Inductance as low as 25nH (<12nH available)
- Low ESR
- Current carrying capability to 110 amps
- Withstands hostile environments
- Integrated mounting flanges
- RoHS compliant



MP3 Series- Unlytic® Polypropylene

- Operating Temperature Range: -40°C to +85°C
- Capacitance Range: 85µF to 1350µF
- Voltage Range: 500VDC to 2400VDC
- Long Life: > 100,000 hours
- Low ESR
- High RMS current capability
- High surge voltage capability: 1.5 x VDC
- Integrated mounting flange
- Cost effective design



LH3 Series- Unlytic®

- Operating Temperature Range: -55°C to +105°C
- Capacitance Range: 30µF to 1600µF
- Voltage Range: 500VDC to 2400VDC
- Low ESL <10nH
- Compact terminal arrangement
- Low ESR <0.20 mOhms
- High RMS current capability >400 Arms
- Integrated mounting flange to withstand high shock and vibration environment



UL9 Series- Metallized Polypropylene

- Operating Temperature Range: -40°C to +85°C
- Capacitance Range: 380µF to 17100µF
- Voltage Range: 700VDC to 3000VDC
- Long Life > 100,000 hours
- Cost effective
- Low ESL & ESR
- High RMS current capability
- Flexible construction
- RoHS compliant



UH3 Series- High Temperature

- Operating Temperature Range: -65°C to +125°C
- Capacitance Range: 25µF to 325µF
- Voltage Range: 600VDC to 1200VDC
- Low ESR and ESL
- Low cost
- Withstands hostile environments
- Integrated mounting flanges
- RoHS compliant



UP37 Series- Unlytic® Miniature Series

- Operating Temperature Range: -55°C to +105°C
- Capacitance Range: 4.7µF to 35µF
- Voltage Range: 500VDC to 1500VDC
- High voltage ratings & RoHS compliant
- Dry construction (no harmful electrolytes)
- Non-polar
- Voltage ratings convenient for Euro designs
- Terminal style, high current carrying ability



UP38 Series- Unlytic® Miniature Series

- Operating Temperature Range: -55°C to +85°C
- Capacitance Range: 3µF to 40µF
- Voltage Range: 600VDC to 2400VDC
- Less than 2 inches in height
- High peak current
- High dv/dt
- Lowest ESR
- Low ESL
- Maximum energy density



MP88-PT88 Series- Metallized Polypropylene

- Operating Temperature Range: -55°C to +105°C
- Capacitance Range: 0.10µF to 2.5µF
- Voltage Range: 460VAC to 920VAC, 800VDC to 3000VDC
- No internal wire connections, improves frequency response
- Direct-to-element tab attachment
- Terminals spacing 23-28mm
- Reversed current through unique dual element design minimizes ESL



MP80 Series- Metallized Polypropylene

- Operating Temperature Range: -55°C to +105°C
- Capacitance Range: 0.5µF to 50µF
- Voltage Range: 400VDC to 3300VDC
- Reduces inductance up to 90%
- Uses screw down terminals vs. lead wires
- Rugged monolithic construction
- Continuous current carrying capacity
- ESR as low as 0.003 OHMS



5PT Series- Polypropylene & Foil

- Operating Temperature Range: -55°C to +105°C
- Capacitance Range: 0.010µF to 0.100µF
- Voltage Range: 230VAC to 460VAC, 400VDC to 1500VDC
- Higher current carrying capability
- Minimum inductance lower impedance and ESR
- Five case sizes
- Compact configuration
- Direct plug-in spade lugs



MH2 Series- High Temperature

- Wrap and fill construction sealed IAW MIL - PRF - 55514
- Operating Temperature Range: -55°C to +125°C without derating
- Capacitance Range: 2.0µF to 20.0µF
- Voltage Rating: 160VAC, 250VDC
- Field proven reliability in 400Hz
- Optimized form factor for space efficiency
- Dual screen through 100% burn-in at 125°C



MH5/6 Series- High Temperature

- Hermetically Sealed IAW MIL - PRF - 83421
- Operating Temperature Range: -55°C to +125°C without derating
- Capacitance Range: 0.33µF to 8.0µF
- Voltage Rating: 160VAC at 400Hz, 250VDC
- Dual screen through 100% burn-in at 125°C



5MPA Series- Metallized Polypropylene

- Operating Temperature Range: -55°C to +85°C
- Capacitance Range: 2µF to 300µF
- Voltage Range: 300VAC to 900VAC, 450VDC to 1350VDC
- Dry film construction
- High current handling
- UL recognized
- RoHS compliant



3MP Series- Metallized Polypropylene

- Operating Temperature Range: -55°C to +85°C
- Capacitance Range: 20µF to 325µF
- Voltage Range: 300VAC to 900VAC, 450VDC to 1350VDC
- UL recognized
- Long Life: > 100,000 hours
- Low ESR
- High RMS current capability
- High surge voltage capability: 1.5 x VDC
- **Thermal cut out safety option**



5MPF Series- Metallized Polypropylene with FUSEAC® Technology

- Operating Temperature Range: -40°C to +85°C
- Capacitance Range: 10µF to 250µF
- Voltage Range: 300VAC to 900VAC, 450VDC to 1350VDC
- Dry film construction
- Inverter output filtering
- **Permanent thermal disconnect**