



MIT PASSIVEN IN DIE TECHNIK-ZUKUNFT



DLI • Novacap • Syfer • Voltronics

Safety Certified MLCC Capacitors

Our Enhanced Safety Certified Surface Mount MLCC product line is tested to meet international safety standards:

IEC/EN 60384-14:2013 + A1:2016 class Y2/X1 and UL/CAN/CSA60384-14:2014. Range qualified to AEC-Q200.

Knowles Safety Certified capacitors comply with international UL and IEC/EN specifications, with certification by UL, cUL and TUV, and offer the benefits of a lower profile and less board space. They are available in case sizes 1808, 1812, 2211, 2215 and 2220, and all are available with the option of FlexiCap™ termination to reduce the risk of mechanical cracking. All parts have a CTI ≥ 600, allowing us to offer the SYS range with an even smaller platform suitable for use in equipment within the scope of IEC 62368.

Whether it's AEC-Q200 standards, modems, AC-DC power supplies or applications where lightning strike or other voltage transients represent a threat to electronic equipment, our Safety Certified capacitors allow us to meet a variety of demands. Talk to us today to find out how we can meet yours.

SYX/UYX FAMILY – Y2 (250VAC)/X1 (305VAC) 5KV IMPULSE

Applications

- High voltage battery systems within electric vehicles
- Three-phase systems requiring 305Vac line to line
- Industrial and domestic equipment where safety is critical
- Plug-in power supplies

Benefits

- | | |
|---|--|
| <ul style="list-style-type: none"> • Class Y2/X1 safety capacitors, including Humidity Robustness Grade III • Guaranteed 4mm creepage, mandatory for 250Vac Class Y2 and 305Vac Class X1 full certification • Humidity Robustness Grade III as per EN 60384-14 fully certified | <ul style="list-style-type: none"> • 5kV impulse • 1kVDC qualified • Components are 100% DWV tested to 4kV • AQL tested to 4kVDC and 3000Vac 60s — ideal for high voltage battery systems • Unmarked (UYX) components available with additional 2500VDC rating • Case sizes: 1808, 1812, 2211, 2215 and 2220 |
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SYS FAMILY – Y2 (250VAC)/X1 (305VAC) 5KV IMPULSE

Applications

- Applications within the scope of IEC 62368. Ref: EN 60384-14, clause 4.8.1.3
- Ideal for use within ICT and AV equipment

Benefits

- SYS family offers class X1/Y2 safety capacitors, including Humidity Robustness Grade III
- 1kVDC certified
- Unmarked components can be offered with an additional 2500VDC rating with suffix UYS
- Components are 100% DWV tested at 3000VDC
- CTI ≥ 600
- AQL tested to 3225VDC and 2110Vac 60s
- Reduced size compared to SYX
- Case sizes: 1808 and 1812

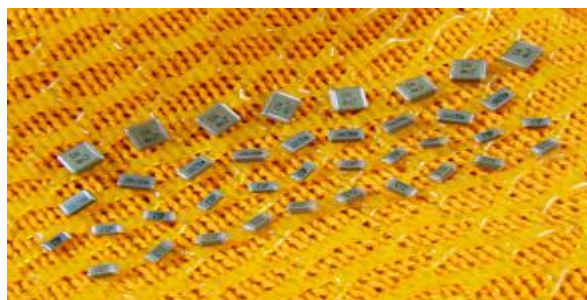
S3X FAMILY – X2 (305VAC) 2500V IMPULSE

Applications

- Industrial Switchgear and control systems
- 3-phase systems requiring higher voltage ratings
- Domestic circuit breakers

Benefits

- S3X family offers class 305Vac X2 safety capacitors
- 2.5kV impulse and a 1kVDC rating
- Unmarked components can be offered with an additional 1500VDC rating with suffix U3X
- 56nF with a 2500V impulse
- 1kVDC qualified
- Components are 100% DWV tested at 3000VDC
- CTI ≥ 600
- AQL tested to 3225VDC and 1500Vac 60s
- Case size: 2220





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S2X FAMILY – X2 (250VAC) 2500V IMPULSE

Applications

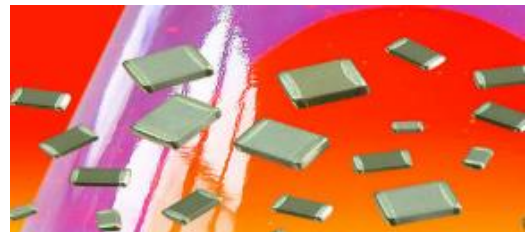
- Industrial Switchgear and control systems
- Domestic circuit breaker

Benefits

- | | |
|--|---|
| <ul style="list-style-type: none"> • S2X family offers class 250Vac X2 safety capacitors, including Humidity Robustness Grade III • 2.5kV impulse and a 1kVDC rating | <ul style="list-style-type: none"> • 1kVDC qualified • Components are 100% DWV tested at 3000VDC • CTI \geq 600 • AQL tested to 3225VDC and 1500Vac 60s • Case size: 1808 |
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Our Multi-Layer Ceramic Capacitor (MLCC) product lines are available in standard surface mount packages as well as ribbon and radial lead packages. SMD case sizes range from 0402 to 8060. We support voltages to 12kV and high level application specific screening such as AEC-Q200 for automotive, MIL-PRF-55681 for medical implantable and much more.

SMD Capacitors - AEC-Q200 - Broadband Blocks - Capacitor Assemblies - MLCCs with Leads

Data sheets and further information on the WEB page: www.wts-electronic.de

Impressum

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