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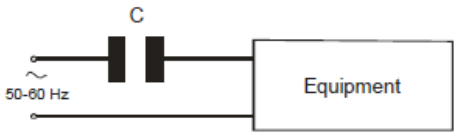
Tax number: SI30536499
ID number: 5045142

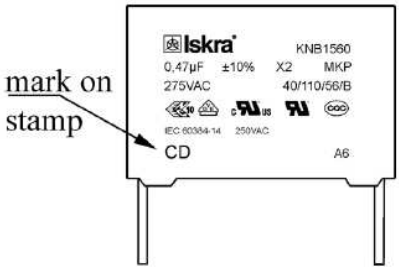
Film capacitors – Application

Capacitors for use in electronics



- Are designed to work in series with the main
- Type: KFU, KEU, KLI, KNU, KNI, KNB CD

More reliable capacitors



KNB1530 CD
KNB1560 CD
KNU1910 CD CD… custom design

Application

- serial and parallel connection in the circuits
- higher air-conditioning requirements (T and RH)

Damp heat, steady state

Test conditions
Temperature: +40°C±2°C
Relative humidity (RH): 93%±2%
Test duration: 56 days

Performance
Capacitance change |ΔC/C|: ≤2%
DF change (Δtgδ): ≤10x10-4 at 1kHz
Insulation resistance: ≥50% of initial limit

Rapid damp test

Test conditions
Temperature: +100°C±2°C
Relative humidity (RH): 98%±2%
Voltage applied: 385VAC
Test duration: 96 hour

Performance
Capacitance change |ΔC/C|: ≤5%
DF change (Δtgδ): ≤10x10-4 at 1kHz
Insulation resistance: ≥50% of initial limit

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Reliable test

Test conditions
Temperature: +60°C±2°C
Voltage applied: 275VAC
Test duration: 2000 hour

Performance
Capacitance change |ΔC/C|: ≤5%
DF change (Δtgδ): ≤10x10-4 at 1kHz
Insulation resistance: ≥50% of initial limit

Test conditions
Temperature: +25°C±5°C
Relative humidity (RH): 30%÷70%
Voltage applied: 230VAC
Test duration: 10000 hour

Performance
Capacitance change |ΔC/C|: ≤2%
DF change (Δtgδ): ≤10x10-4 at 1kHz
Insulation resistance: ≥50% of initial limit

Semič, 09.09.2011 SRR Janko Rauh