



EXXELIA



Inside

COMMERCIAL AIRCRAFT

Exxelia brings its know-how to **Aircraft, Helicopters** and **OEM manufacturers** in numerous platforms for all types of critical functions including cockpit & avionics, engine & controls, actuation systems and power generation & distribution.

Exxelia has a long heritage in the supply of **passive components for aviation** equipping the latest and most advanced aircraft in the world. Exxelia's wide product portfolio of **MIL film** and **tantalum capacitors, MLCC, electrolytic rectangular capacitors, inductors, transformers & filters** and responds to the challenges of tomorrow's aviation in terms of increased power, weight and volume saving, high reliability, robustness, and 400Hz network.



Common & Diff
Inductor CC Series
 Inductance: 0,05 μ H - 2 232 μ H
 Up to: 14 A
 - 55°C to +125°C

Film capacitors
BIK Series (PET Film)
 Metallized polyester
 Capacitance: 1 nF - 4,7 μ F
 Voltage: 1 000 V - 6 300 V

SESI inductors
6 sizes SMD packages
 Increased thermal dissipation
 Inductance: 1 μ H - 470 mH
 Up to: 1 MHz
 - 55°C to +125°C

High voltage
Ceramic capacitor TCF Series
 Conformal coated capacitors
 Capacitance: 5,6 μ F - 680 μ F
 Voltage: 6,3 V - 100 V
 - 55°C to +125°C

High frequency
Film capacitor PM9x Series
 Low inductance / Self-healing
 Capacitance: 0,022 μ F - 180 μ F
 Voltage: 50 V - 400 V
 - 55°C to +125°C

High current
Tantalum capacitor CTC 21 Series
 Very low ESR
 Capacitance: 5,6 μ F - 680 μ F
 Voltage: 6,3 V - 100 V
 - 55°C to +125°C

Smart magnetics
Dual active bridge integrated transformer
 10 kW
 Up to: 100 kHz
 Inductance: 80 μ H

Flyback transformers
CCM Magnetics
 Pick and place friendly
 Frequency range: up to 1MHz
 Multiple outputs
 - 55°C to +125°C

RM platform
Inductor/SMPS transformers
 Through-hole mounting
 Power 35 W
 Up to: 180 kHz
 - 40°C to +85°C

DC-link custom
PP Film capacitor
 Capacitance: 10 - 20 μ F
 Voltage: 600 V - 800 V
 - 55°C to +125°C

Planar
Transformer
 Low-profile construction
 Frequency: 50 kHz - Max: 1 MHz
 Up to 10 kWatts
 - 40°C to +125°C

Powering Performance

Exxelia is valued for its ability to develop standard and custom products complying with the most demanding qualifications.

Contact us www.exxelia.com/en/contact

High capacitance



DSCC 93026 & 10004

Capacitance: 10 μ F - 10 000 μ F
Voltage: 25 V - 125 V
- 55°C to +125°C



Toroid



Magnetics tore NM

Power: 0,05W
Primary: 173 A
Secondary: 0,23 A
Frequency: 350 to 720 Hz



High precision



Film capacitor KM Series

Low Tolerance up to 1%
Capacitance: 1 000 pF - 22 μ F
Voltage: 40 V - 630 V
- 55°C to +125°C



Stator

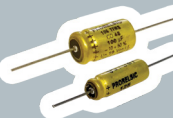


Magnetics

Slot insulation positioning.
Manufacturing of High Stator
diameter up to 500mm



Prorelic



Alu. electrolytic capacitor

Axial 125°C
Capacitance: 1 μ F - 25 000 μ F
Voltage: 10 V - 450 V
- 55°C to +125°C



Multipulse



400kz transformer anodized aluminum foil technologies

Interphase inductance and
twelve pulse transformers
Filtering chokes up to 400A



Cubic Series



Alu. electrolytic capacitor

Low profile package/Low ESR
Capacitance: 100 μ F - 68 000 μ F
Voltage: 10 V - 450 V
- 55°C to +125°C



Microwave HiQ



RF MLCC CH & SH Series

Low ESR
Capacitance: 0,1 pF - 1000 pF
Voltage: Up to 1500 V
- 55°C to +175°C



High stability



Hi-Rel Ceramic capacitor TCN Series

Radial leaded
Capacitance: 10 pF - 1,5 μ F
Voltage: 25 V - 250 V
- 55°C to +125°C



EMI-RFI filters



Multiple point feed through filters

D-SUB interface
Insertion loss: 4 - 70 dB
Voltage: 25 V - 200 V
- 55°C to +125°C



MIL film capacitors



M83421 & M39022

Hermetically Sealed
Capacitance: 0,001 μ F - 22 μ F
Voltage: 30 V - 600 V
- 65°C to +125°C



EMI-RFI filters



Type-C, T, Pi, L

Solder-in or threaded package
Capacitance: 10 pF - 33 000 pF
Up to: 10 A
- 55°C to +125°C

