

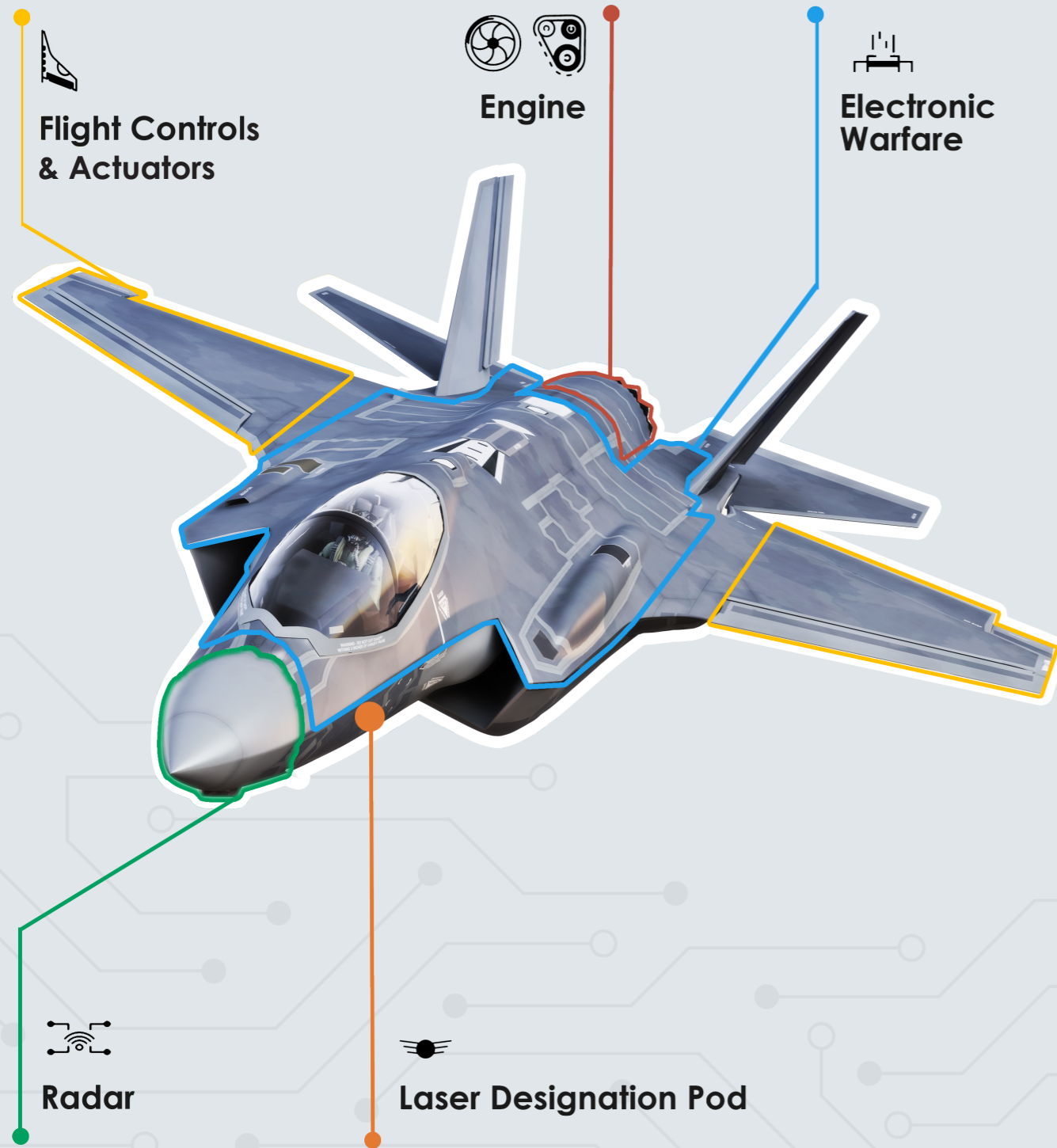


Inside

FIGHTER AIRCRAFT

Exxelia offers its expertise in **designing and manufacturing High-Reliability products** for all **military aircraft applications**. Recognized for its complete high-reliability passive components product offer (including MIL capacitors, MIL resistors, inductors, transformers and EMI / EMC filters), Exxelia is also a major supplier of position sensors and slip rings for critical systems.

Exxelia offers numerous product series with **MIL certification** perfect for **Military Aircraft such as MIL-PRF-83421/6 film capacitors and DSCC 93026 and 10004 wet tantalum capacitors**. Other embedded products include EMI filters (single or multiways), pulse, high voltage or high capacitance ceramic capacitors or inductors and transformers.



High stability
Ceramic capacitors LA series
 High thermal & voltage stability
 Capacitance: 1 pF - 1 μH
 Voltage: 25 V - 63 V
 - 55°C to +125°C

High capacitance
Ceramic capacitors R Series
 Miniaturization
 Capacitance: 47 nF - 27 μH
 Voltage: 50 V - 500 V
 - 55°C to +125°C

Non magnetic
Ceramic capacitors CEC/CNC Series
 High-Rel capacitors
 CEC series: Cap. max 470 nF
 CNC series: Cap. max 12 μF
 - 55°C to +125°C

High voltage
Ceramic capacitor TCK Series C48x
 Excellent withstanding to charge and discharge
 Capacitance: 27 pF - 8,2 μF
 Voltage: 200 V - 5 kV

High current
Tantalum capacitors CTC21/CTC21E
 Very low ESR
 Capacitance: 5,6 μF - 680 μF
 Voltage: 6,3 V - 100 V
 - 55°C to +125°C

Microwave HiQ
MLCC RF capacitors CH & SH Series
 Low ESR - High working voltage up to 1500V
 Extended operating temperature (+175°C)

Snap-In
Aluminum electrolytic capacitors Snapsic caps
 High energy density
 Capacitance: 33 μF - 47 000 μF
 Voltage: 25 V - 500 V

Prorelic 125
Aluminum electrolytic capacitors
 Capacitance: 1 μF - 25 000 μF
 Voltage: 10 V - 450 V
 - 55°C to +125°C

Snapsic 105 LP
Aluminum electrolytic capacitors
 Low profile / 4 pins
 Capacitance: 150 μF - 68 000 μF
 Voltage: 16 V - 500 V
 - 55°C to +105°C

RF inductor
Magnetics MPC1 2000
 Excellent Q factor
 Inductance: 0,01 μH - 1 mH
 Frequency: 0,79 MHz - 500 MHz
 - 55°C to +125°C

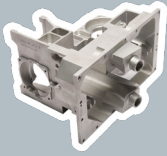
SESI inductors
6 sizes SMD packages
 Increased thermal dissipation
 Inductance: 1 μH - 470 mH
 Up to: 1 MHz
 - 55°C to +125°C

Transformers & inductors
SMD molded compact inductor
 Inductance: 2,69 μH - 151,2 μH
 Peak current up to: 2,3 A
 - 55°C to +105°C

Powering Performance

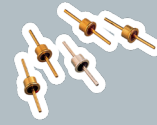
Exxelia is valued for its ability to develop standard and custom products complying with the most demanding qualifications.

Contact us www.exxelia.com/en/contact



Precision Mechanics

Custom product



EMI Filters

C-type size 30

Power: 0,05 W

Primary: 173 A

Secondary: 0,23 A

Frequency: 350 - 720 Hz



Custom film capacitor

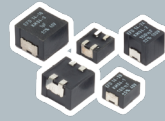
Mica capacitor

Low Tolerance up to 1%

Capacitance: 1 000 pF - 10 μ F

Voltage: 40 V - 400 V

Up to 25 capacitors rolled into 1 block



High stability

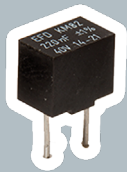
Film capacitor KM 94 Series

Low Tolerance up to 1%

No piezoelectric effect

Capacitance: 4,7 nF - 1,2 μ F

Voltage: 40 V - 100 V



High stability

Film capacitor KM 82 Series

Low Tolerance up to 1%

No Piezoelectric Effect

Capacitance: 1 000 pF - 1 μ F

Voltage: 40 V



Linear potentiometer

Position sensors

Electrical travel 10 to 525 mm

- 55°C to +150°C



Slip-Rings

Customizable

Power and data transmission

Standard interface, hollow shaft interface, pancake



DSCC 93026 & 10004

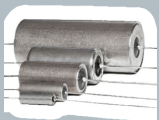
Wet tantalum capacitors

Low ESR

Capacitance: 10 pF - 10 000 pF

Voltage: 10 V - 125 V

- 55°C to +125°C



M83421 & M39022

MIL film capacitors

Hermetically Sealed

Capacitance: 0,001 μ F - 12 μ F

Voltage: 30 V - 1 000 V

- 65°C to +125°C



EMI-RFI Filters

Type-C, T

Solder-in or threaded package

Insertion loss: 4 - 70 dB

Up to: 10 A

- 55°C to +125°C

