

PRODUCT OVERVIEW

YAGEO Group's SCF76X coils are high-performance **three-phase common mode chokes** featuring a **nanocrystalline** core for superior EMI suppression. It delivers high current capability **up to 110 A**, making it ideal for demanding **industrial, inverter and power conversion** applications requiring compact and reliable noise mitigation.



Quick Facts

Rated Voltage: 800 VAC/VDC

Rated Current Range: 65 – 110 A

Inductance Range: 0.35 – 0.77 mH

DCR: 0.27 – 0.97 mΩ

Operating Temperature Range: -40°C – +130°C

Contact & Information

For special requests, contact your local YAGEO Group sales representative.


YAGEO GROUP
 KEMET


Product Page

EMC

Common Mode Chokes – Power

Three-Phase SCF76X Series



Key Selling Points

Features

- **Nanocrystalline core technology**
- **High current capability up to 110 A**
- **Three-phase common mode choke design**
- **Wide operating temperature range**
- **Low DC resistance**
- **Certified material reliability**

Target Applications

- **Industrial equipment**
- **Industrial inverters**
- **Power supplies**
- **Power converters**
- **Power conditioners**
- **Air conditioning systems**
- **Robotics**

Customer Value

- Superior EMI suppression across a wide frequency range
- High-power, three-phase systems designs without oversizing
- Reliable reduction of conducted EMI in inverter applications
- Stable and reliable operation in harsh industrial environments
- Improved system efficiency with reduced heat generation
- UL 94 V-0 rated base and cap enhance fire safety

Market Advantages

- **Cut EMI complexity at high power.** SCF76X delivers up to **110 A** with strong common mode noise suppression, reducing the need for multiple or oversized EMI components.
- **Struggling with EMI at high current?** The **nanocrystalline core** provides broader, more effective noise attenuation than conventional ferrite chokes where it matters most.
- **Designed for real industrial power applications.** SCF76X is a proven fit for inverters, power conditioners, HVAC systems and motor drives operating in **demanding EMI environments**.
- **Boost EMC performance without sacrificing safety.** With **-40°C to +130°C operation, low DC resistance and UL 94 V-0 rated base and cap**, SCF76X is built for harsh, safety-critical designs.