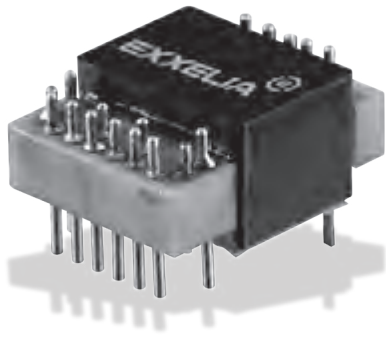


High-Grade Custom Planar Magnetics



- Low-profile construction
- Best repeatability of electric parameters
- Low leakage inductance
- Easy to cool with heatsink
- Multiple Topologies
- High efficiency and reliability
- High insulation between windings
- Excellent thermal characteristics
- Dimensional accuracy
- Customized pin positions

Electrical Data

Transformers and inductors designed and manufactured for all types of SMPS within these characteristics:

- Power rating : up to 10 kWatts
- Input voltage : 12 V_{DC} to 240 –400 V_{DC}
- Output voltage : 3 V_{DC} to 60 V_{DC}
- Frequency range : 50 kHz to 1 MHz
- Typical efficiency : 96 - 99 %
- Temperature range: –40°C to +125°C
- Dielectric strength : up to 4000 VRMS

SMPS Topologies

- Transformers: Full-bridge, Half bridge, Push-pull, Forward, Flyback,
- Buck, Boost, output filtering inductors.

Construction

- Electrical circuit : Flat copper foil or spirals
- Multi-layer : up to 24 layers
- Multi-PCB : up to 5 boards
- Insulation : Kapton® or Mylar®
- Planar Core : E14 to E64 [E-E combination] ferrite
PLT14 to PLT64 [E-PLT combination] ferrite
RM4 / ILP to RM14 / ILP
- Cooling : heatsink or thermal pad
- Overmolding : epoxy resin
- Mechanical fixture : molded inserts

Mounting, Connections

Through-hole, SMD, strips for cable ties, eyelet sleeved leads.

