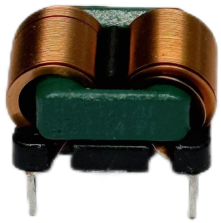
INFINITY
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Frame Core Chokes SQ1412 Horiztontal Series

Characteristics：

- Compact Size with Low Leakage Flux due to the O-type SQ ferrite core
- Low Stray Capacitance for broad-frequency noise attenuation
- Single-Layer Winding eliminates risk of interlayer shorts
- High Normal Mode Noise Suppression
- Reduced Winding Time by up to 90%
- High Inductance achieved via proprietary ferrite mixing and sintering technology

Common Applications：

- Switching Power Supplies
- LED Drivers
- Industrial Automation
- Communication Devices
- Household Appliances
- Audio/Medical Equipment

Specifications:

- Rated Voltage: AC/DC 250V
- Operating Temperature: -40°C to +120°C
- Withstanding Voltage:
  AC 2000V for 60 sec or
  AC 2400V for 1 – 2 sec (Line-to-Line)
- Insulation Resistance: ≥100 mΩ (DC 500V)
- Temperature Rise: ≤40°C at rated current

Options：

- Bulk or Tape & Reel packaging
- Custom inductance, wire gauge, and winding configuration
- Alternative ferrite materials for tailored performance
- SMD versions available on request

Model Comparison Table

Test Condition:1KHz/0.3V AT(25°C)

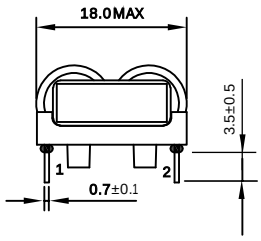
Specifications and Electrical Characteristics

INF Code	Inductance	Wire Diameter	Turns	DC Resistance	Applicable Enameled Wire Diameter	Operating Current	Applicable Power
SQ1412-30mH	30mH	0.1*1.0	60	260mΩ MAX	0.35	1.0～1.5A	45～135W

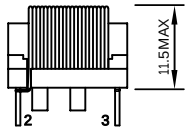
Dimensions:[mm]

Horizontal

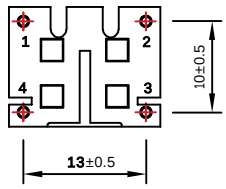
Front View



Side View



Bottom View



Top View

