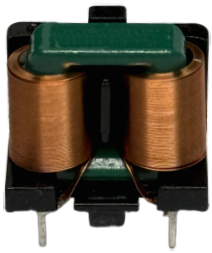
INFINITY
Nanjing Infinity Technology Co.,Ltd.

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Frame Core Chokes SQ1616 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：

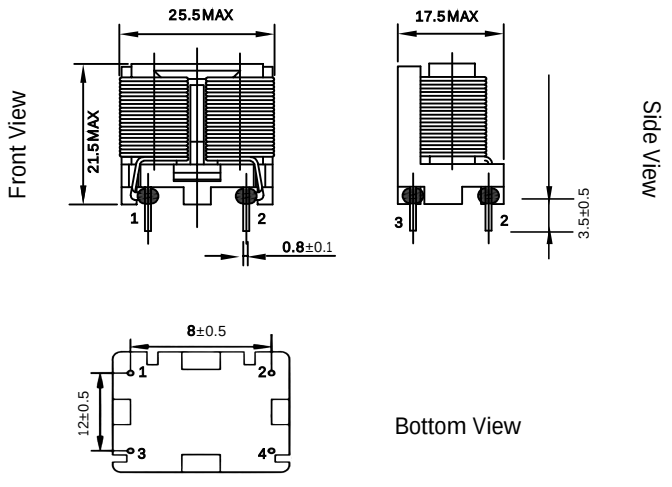
- Bulk or Tape & Reel packaging
- Custom inductance, wire gauge, and winding configuration
- Alternative ferrite materials for tailored performance
- SMD versions available on request

Model Comparison Table

Test Condition:1KHz/0.3V AT(25°C)

Specifications and Electrical Characteristics							
INF Code	Inductance	Wire Diameter	Turns	DC Resistance	Application Enameled Wire	Operating Current	Applicable Power
SQ1616-3mH	3mH	0.3*2.0	26	70mΩMAX	0.90	4.8～7.2A	45～600W

Dimensions:[mm]

Vertical	Horizontal
	In Product Development

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1210 SCC SMT Common Mode Line Filter

Characteristics:

·Enormous common mode impedance Z
·Small dimensions
·1:1 turns ratio
·High current ratings
·Climatic category 40/125/21
·Flammability corresponding to UL 94 V-0

Options:

· High common mode impedance Z, small dimensions, 1:1 turns ratio
· High current ratings, UL 94 V-0 flammability, 40/125/21 climatic category
· For common mode noise suppression, power supplies & data lines

Common Applications:

·Suppression of common mode noise
·Power supply system
·Data lines

Physical Properties

Order Code	L_1 (μH)	Z_{max} (Ω)	I_R (mA)	$R_{DC\ max.}$ (Ω)	V_R (V)	V_T (V(AC))
INF-1210-10μH	10	10000	2750	0.04	80	250
INF-1210-100μH	100	40000	1000	0.28	80	250
INF-1210-1000μH	1000	160000	300	2.5	80	250

Technical Specifications

