chanhvinh.com

Current Sense Inductors

FIS Series



- *Current sense inductors, as feedback elements linking the output and pulse control circuitry, allow low-cost regulation of switch-mode power supplies*
- *Fully encapsulated with a frequency of 200 kHz maximum*
- *Isolation Pri to Sec: 2500 Vac*
- *Pri. current: 15 A maximum*

Electrical Specifications @ 25°C – Operating Temperature -40°C to +125°C

Part Number	Prim/Sec Ratio	Sec L (mH MIN)	Sec DCR (Ω MAX)	V x τ (MAX)
FIS 101NL	1/50	5.0	0.65	175 VμS
FIS 111NL	1/100	22.0	1.30	350 VμS
FIS 121NL	1/200	94.5	4.50	700 VμS

Notes:

L: Inductance: (1-3) tested at 10 KHz & 10 mV

V x τ: V = Rt x Is $\quad \tau = \frac{1}{2F}$

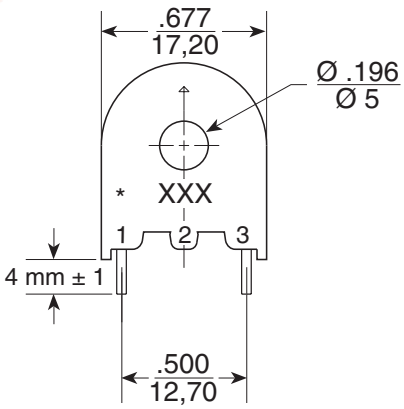
Rt (Ω): Recommended Terminating Resistance

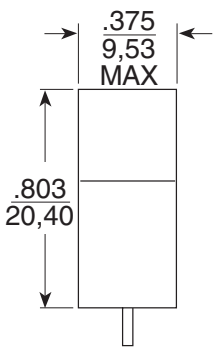
Is (A): sec. current

F(Hz): Frequency

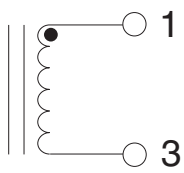
Mechanical

FIS 1XXNL





Schematic



For More Information

Pulse Worldwide Headquarters
12220 World Trade Drive
San Diego, CA 92128
U.S.A.

Tel: 858 674 8100
Fax: 858 674 8262

Pulse Europe
Einsteinstrasse 1
D-71083 Herrenberg
Germany

Tel: 49 7032 7806 0
Fax: 49 7032 7806 135

Pulse China Headquarters
B402, Shenzhen Academy of Aerospace Technology Bldg.
10th Kejinan Road
High-Tech Zone
Nanshan District
Shenzen, PR China 518057
Tel: 86 755 33966678
Fax: 86 755 33966700

Pulse North China
Room 2704/2705
Super Ocean Finance Ctr.
2067 Yan An Road West
Shanghai 200336
China

Tel: 86 21 62787060
Fax: 86 2162786973

Pulse South Asia
135 Joo Seng Road
#03-02
PM Industrial Bldg.
Singapore 368363

Tel: 65 6287 8998
Fax: 65 6287 8998

Pulse North Asia
3F, No. 198
Zhongyuan Road
Zhongli City
Taoyuan County 320
Taiwan R. O. C.
Tel: 886 3 4356768
Fax: 886 3 4356823 (Pulse)
Fax: 886 3 4356820 (FRE)

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