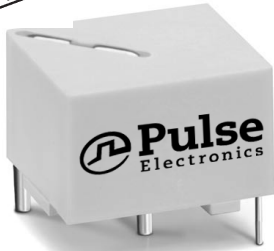


Current Sense Transformers

FIS 1X5 Series



- Current sense transformers provide output feedback to the pulse control circuitry allowing low-cost regulation of switch-mode power supplies
- Fully encapsulated construction
- Isolation primary to secondary: 4000V AC
- 25A maximum primary current, 500kHz maximum frequency
- Applications: switch-mode power supplies, lighting, switch controls

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

Part No.	Prim/Sec Ratio	Sec L (mH MIN)	Sec DCR (Ω MAX)	V x τ (MAX)
FIS105NL	1:50	4.7	0.5	175 μVS
FIS115NL	1:100	18	2.0	350 μVS
FIS125NL	1:200	76	4.5	700 μVS
FIS155NL	1:500	470	16.0	1750 μVS
FIS1105NL	1:1000	1900	50.0	3500 μVS

Notes:

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

Rt (Ω): Recommended Terminating Resistance

* Contact Pulse for availability

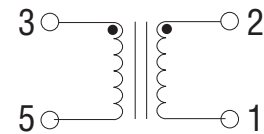
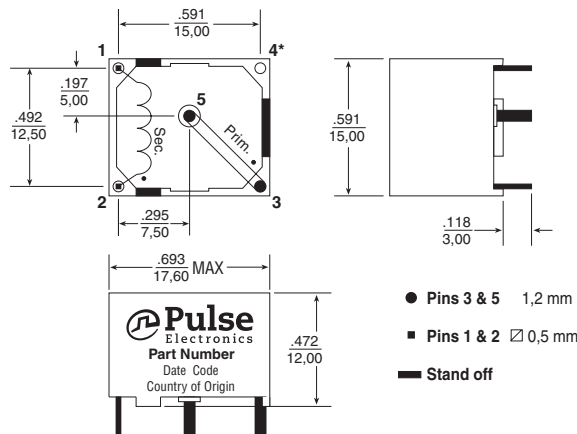
$$V \times \tau: V = Rt \times Is \quad \tau = \frac{1}{2f}$$

Is (A): sec. current F(Hz): Frequency

Mechanicals

Schematics

FISXXX



FIS105NL/15NL/25NL/55NL FIS1105NL

Weight7.0 grams8.0 grams

Tray30/tray34/tray

Dimension: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.020}{0.50}$

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