





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 V_{AC}
-  Pri. current: 15 A maximum

Electrical Specifications @ 25°C

Part No.	Prim/Sec Ratio	Sec L (mH MIN)	Sec DCR (Ω MAX)	V x τ (MAX)
FIS 101	1/50	5.0	0.65	175 VμS
FIS 111	1/100	22.0	1.30	350 VμS
FIS 121	1/200	94.5	4.50	700 VμS

Notes:

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

V x τ: V = R_t x I_s

$$\tau = \frac{1}{2F}$$

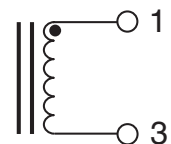
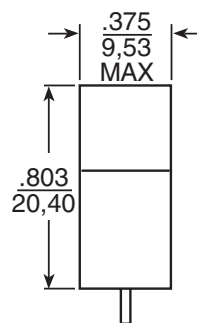
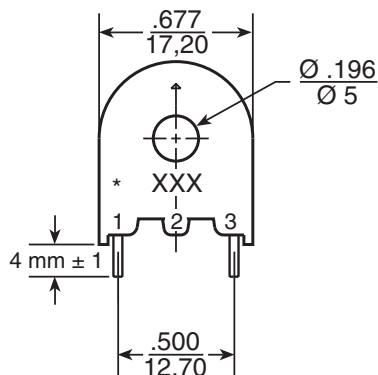
R_t (Ω): Recommended Terminating Resistance

I_s (A): sec. current

F(Hz): Frequency

Mechanical

Schematic



For More Information :

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