

Current Sensor 12.7 mm Toroid With Primary

POWER MAGNETICS

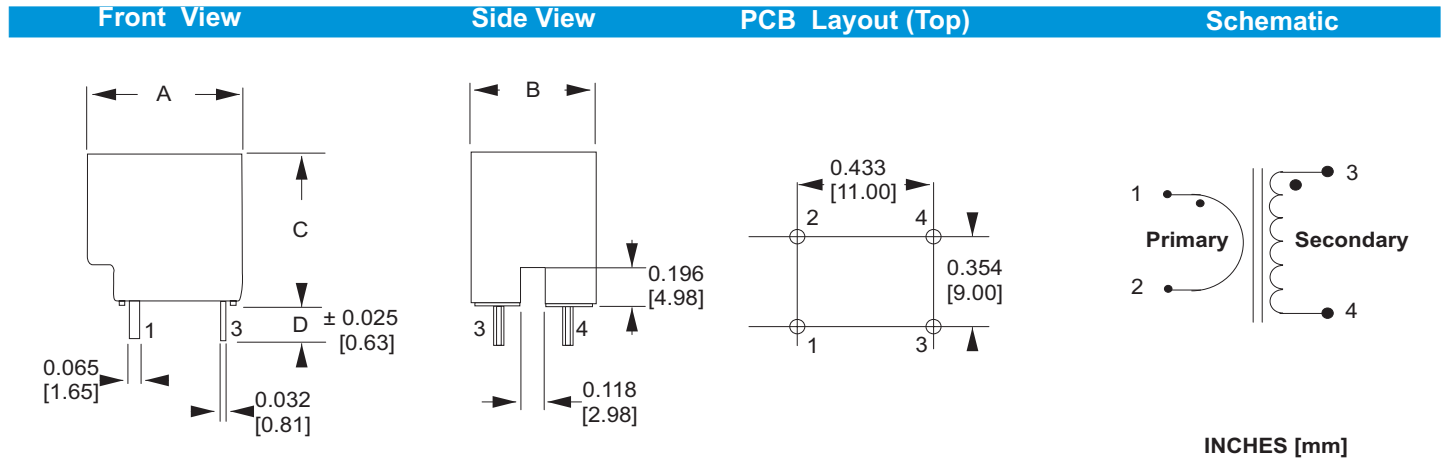
(CST013-PRI Digital Series)



MAX. DIM :
L = 20.50 mm
W= 16.00 mm
H = 21.84 mm

- Diverse applications for overload sensing, load drop, shutdown and feed-back control in switch mode power supplies.
- For use in 20 KHz to 200 KHz.
- Peak current up to 35 Amps.
- Single primary built-in.
- Only available in potted construction.
- Dielectric strength of 3750 V between primary and secondary.
- Approved for VDE/TUV.

MECHANICAL SPECIFICATIONS



ELECTRICAL SPECIFICATIONS

FALCO PART NUMBER	RoHS PART NUMBER	L (mH) ¹ min.	Freq. (KHz)	Turns Ratio	DCR (Ω MAX)	Ipk (Amps.)	A-μs	A max. in / mm	B max. in / mm	C max. in / mm	D nom. in / mm
T50081		5.00	1.00	50:1	0.700	30.00	160	0.807 / 20.50	0.630 / 16.00	0.860 / 21.84	0.150 / 3.81
T50082	T5L082	28.05	1.00	100:1	1.400	35.00	300	0.807 / 20.50	0.630 / 16.00	0.860 / 21.84	0.150 / 3.81
T50125	T50L25	80.00	1.00	200:1	2.500	35.00	600	0.807 / 20.50	0.630 / 16.00	0.860 / 21.84	0.150 / 3.81
T50083		320.00	1.00	400:1	10.000	35.00	1200	0.807 / 20.50	0.630 / 16.00	0.860 / 21.84	0.150 / 3.81
T50084		520.00	1.00	500:1	20.600	35.00	1500	0.807 / 20.50	0.630 / 16.00	0.860 / 21.84	0.150 / 3.81

1. Inductance L tested at 0.25 V.
 2. L & DCR tested at Ta= 25°C.



RoHS COMPLIANT PRODUCT