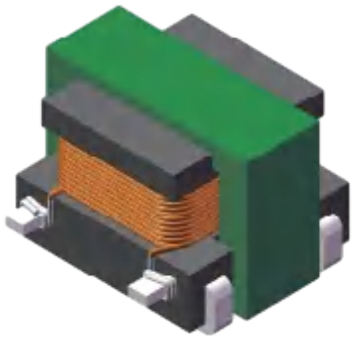
HIGH FREQUENCY CURRENT SENSING TRANSFORMER

FACTE4.2 SERIES



ELECTRICAL SPECIFICATION

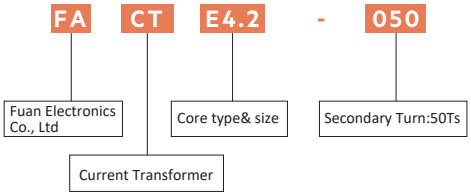
- Primary current of 7 A causes less than 35°C temperature rise from 25°C ambient. Higher current causes a greater temperature rise
- Operating temperature: -40°C to +120°C
- Storage temperature Component: -40°C to +165°C
- Inductance measured between secondary pins at 100kHz, 0.1 Vrms, 0 Adc
- Inductance measured at OAdc on HP 4284A LCR Meter or equivalent
- DCR measured on Chroma 16502 microohmmeter or equivalent
- Electrical specifications at 25°C

FEATURES

- Very low DC resistance
- Different turns ratios
- Very small package
- RoHS compatible
- 500Vrms,one minute isolation (hipot) between windings
- Sensed Current - primary rated for 7 Amps

APPLICATIONS

- Switching power supplies
- feedback control
- overload sensing
- Load drop/shut down detection

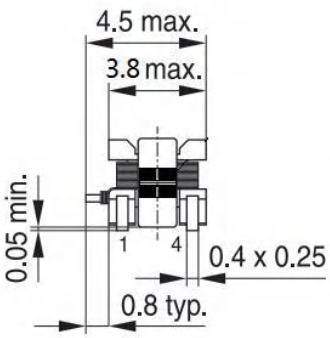


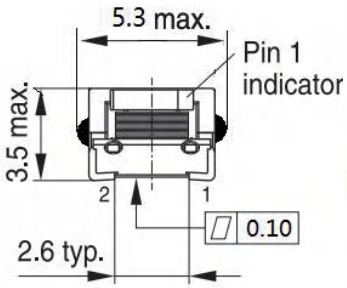
ELECTRICAL CHARACTERISTICS FORM

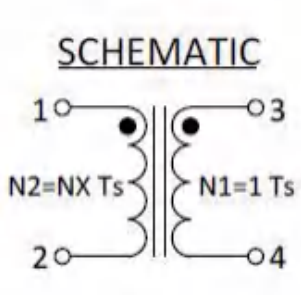
Part Number	Turns ratio sec:pri	Secondary Inductance @100KHZ0.1V (uH)MIN	DCR(Ω) Sec Max	DCR(Ω) Pri Ref	Sensed Current(A) (Max)
FACTE4.2-020	20:1	33	0.35	0.003	7
FACTE4.2-030	30:1	74	0.80	0.003	7
FACTE4.2-040	40:1	132	1.60	0.003	7
FACTE4.2-050	50:1	205	2.50	0.003	7
FACTE4.2-060	60:1	295	3.60	0.003	7
FACTE4.2-070	70:1	400	4.60	0.003	7
FACTE4.2-100	100:1	820	9.50	0.003	7
FACTE4.2-125	125:1	1280	13.0	0.003	7
FACTE4.2-150	150:1	1840	21.0	0.003	7

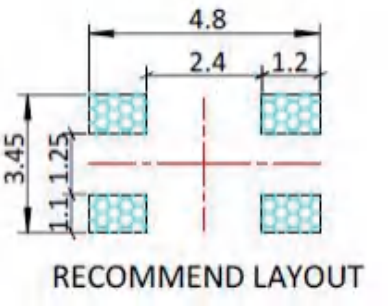
ELECTRICAL INFORMATION

Dimension in mm









CURRENT VS TEMPERATURE RISE