

# HIGH FREQUENCY CURRENT SENSING TRANSFORMER

## FACTE5 SERIES



### ELECTRICAL SPECIFICATION

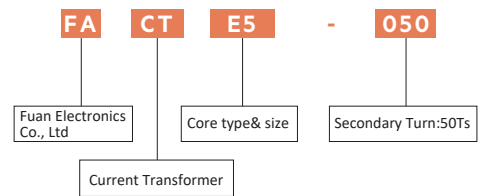
- Temperature Rise Current(Irms):The current when temperature of coil increases up to max.  $\Delta T=40^{\circ}C$ . ( $T_a=20^{\circ}C$ )
- Operating temperature:  $-40^{\circ}C$  to  $+125^{\circ}C$
- L: HP4284A PRECISION LCR METER
- DCR: CHENHWA 502 OHM METER
- Electrical specifications at  $25^{\circ}C$

### FEATURES

- Very low DC resistance
- Different turns ratios
- Small package
- RoHS compatible
- Other pinning on request

### APPLICATIONS

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



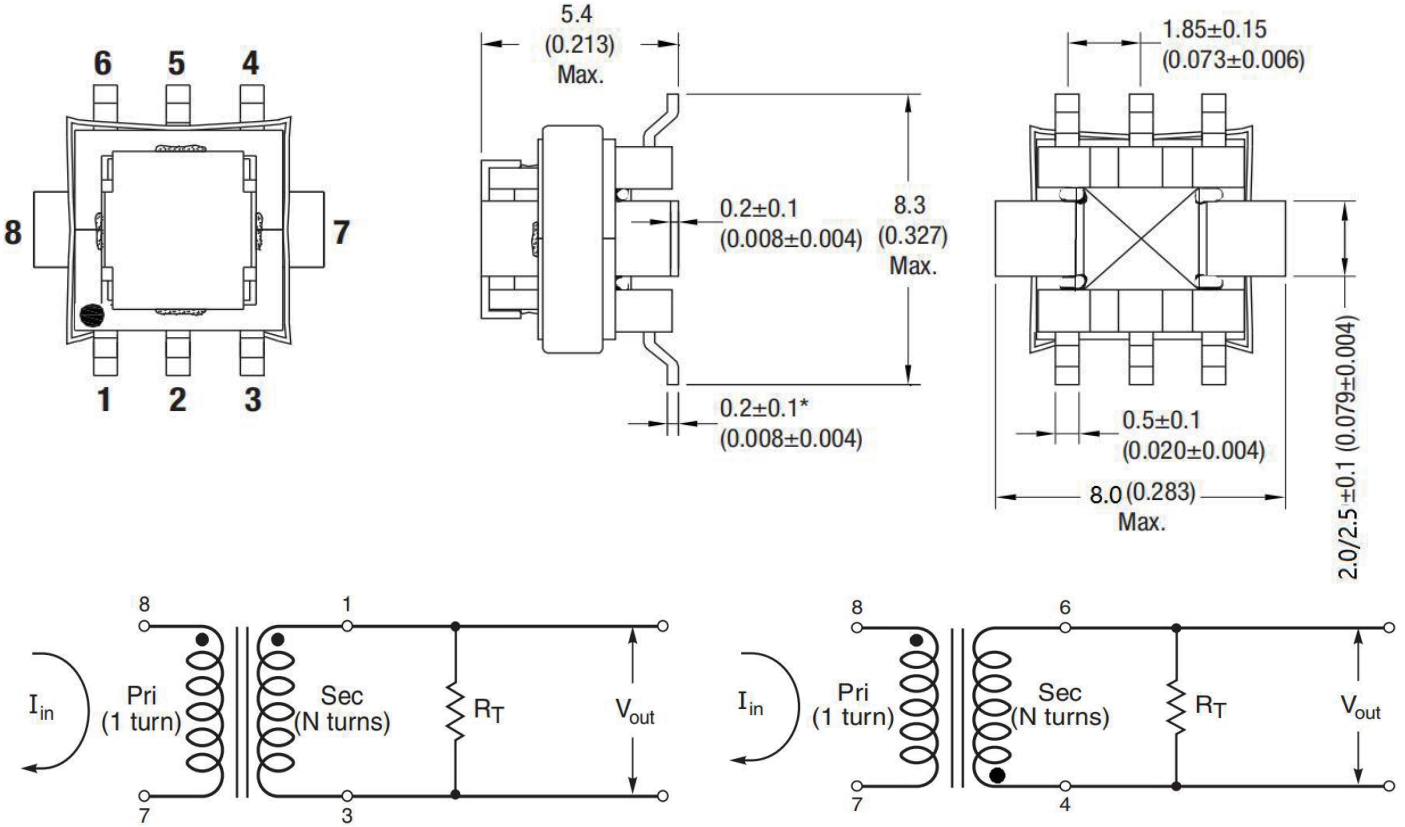
### ELECTRICAL CHARACTERISTICS FORM

Part Number	Turns ratio sec:pri	Secondary Inductance @100KHZ0.1V (uH)MIN	DCR( $\Omega$ )		Sensed Current(A) (Max)
			Sec Max	Pri Ref	
FACTE5-020	20:1	80	0.40	0.0007	10/20
FACTE5-030	30:1	180	0.87	0.0007	10/20
FACTE5-040	40:1	320	1.14	0.0007	10/20
FACTE5-050	50:1	500	1.85	0.0007	10/20
FACTE5-060	60:1	730	2.30	0.0007	10/20
FACTE5-070	70:1	980	4.75	0.0007	10/20
FACTE5-100	100:1	2000	5.50	0.0007	10/20
FACTE5-125	125:1	3000	11.50	0.0007	10/20

# Product datasheet

## ELECTRICAL INFORMATION

Dimension in mm



## CURRENT VS TEMPERATURE RISE

