

272 Series Current Sense Transformers 25kHz

Features

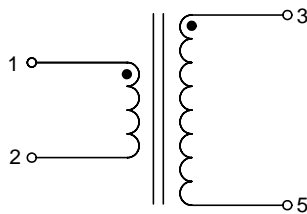
- Designed for switching mode power supply applications
- International safety construction
- High dielectric strength capability 3750V RMS
- Frequency range 25kHz
- Epoxy encapsulated construction
- Tinned Leads with Leaded Solder is Available (note 4)



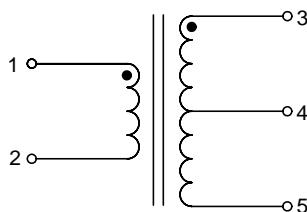
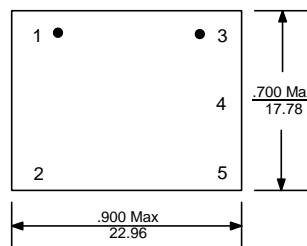
ELECTRICAL SPECIFICATIONS AT 25°C

Part Number	Turns Ratio	Secondary Inductance mH (Min)	Secondary Inductance Test Voltage 15.75 kHz	Secondary DCR Ohm (Max)	Secondary Rated Terminated Resistance Ohm (Max)	Primary Unipolar Amp μ Sec Rating (Max)	Primary Bipolar Amp μ Sec Rating (Max)	1 Turn Primary Peak Sense Current Amps (Max)	Schematic Figure
PT27210	1:50	5.0	0.50	0.70	50	150	300	20	A
PT27211	1:100	20.0	1.00	1.40	100	300	600	20	A
PT27212	1:200	80.0	2.00	4.50	200	600	1200	20	A
PT27213	1:300	180.0	3.00	11.00	300	900	1800	20	A
PT27214	1:50CT	5.0	0.50	0.70	50	150	300	20	B
PT27215	1:100CT	20.0	1.00	1.40	100	300	600	20	B
PT27216	1:200CT	80.0	2.00	4.50	200	600	1200	20	B
PT27217	1:300CT	180.0	3.00	11.00	300	900	1800	20	B

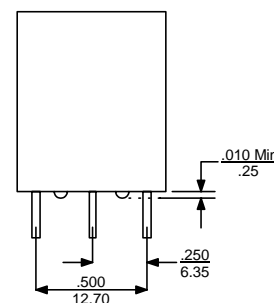
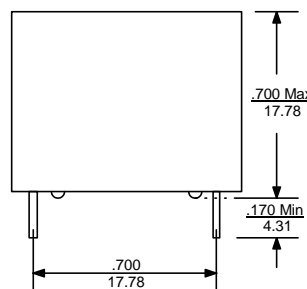
- Note: (1) Maximum ratings specified with rated secondary terminating resistance and 1 turn primary.
 (2) Amp- μ Sec rating of primary equals to volt μ Sec rating of secondary when secondary is terminated in rated resistance.
 (3) Maximum operating temperature 105°C.
 (4) For non-RoHS parts, replace PT prefix with 42- (e.g. PT27210 becomes 42-27210).
 (5) Terminal finish is compliant to RoHS requirements



Schematic Figure A



Schematic Figure B



Pin No. 1-2 = .051 \pm .003 Dia Inches
 Pin No. 3-4-5 = .030 \pm .002 Dia Inches

Case for Figure A and B

INCHES .XXX \pm .010
MILLIMETERS .XX \pm .25