



272 Series Current Sense Transformers 25kHz

Features

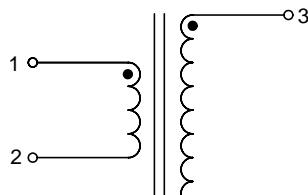
- Designed for switching mode power supply applications
- International safety construction
- High dielectric strength capability 3750V RMS
- Frequency range 25kHz
- Epoxy encapsulated construction
- Tinned Leads with Leaded Solder is Available (note 4)



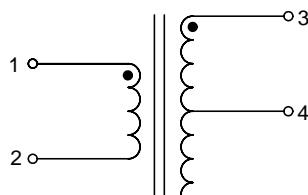
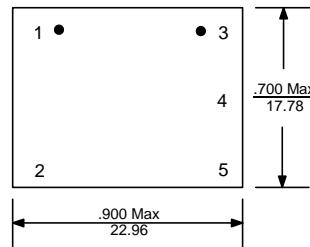
ELECTRICAL SPECIFICATIONS AT 25°C

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 μSec Rating (Max)	Primary Bipolar Amp μSec 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

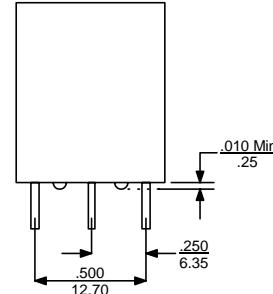
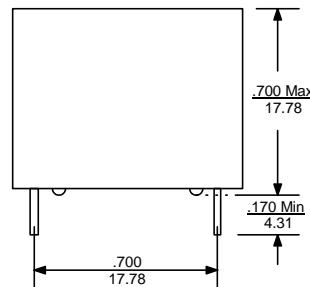
- Note:
- (1) Maximum ratings specified with rated secondary terminating resistance and 1 turn primary.
 - (2) Amp-μSec rating of primary equals to volt μSec rating of secondary when secondary is terminated in rated resistance.
 - (3) Maximum operating temperature 105°C.
 - (4) For non-RoHS parts, replace 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 ± .010
MILLIMETERS .XX ± .25