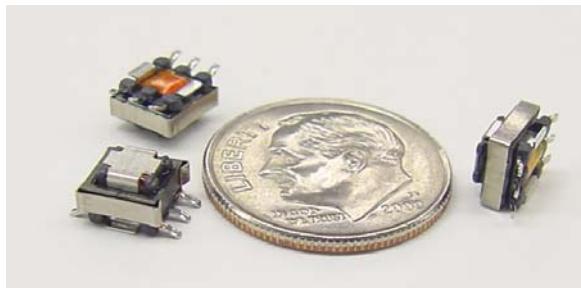




SMD Current Sense Transformer CT317 Series

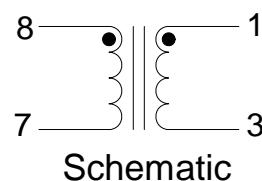
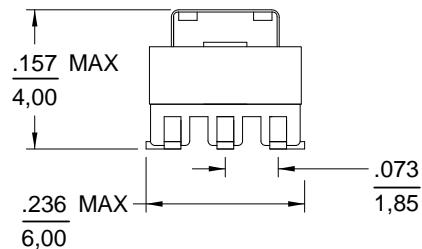
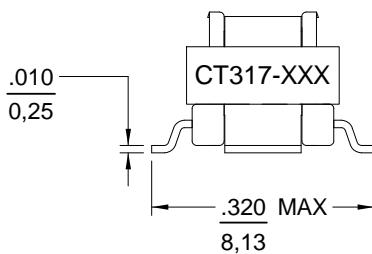
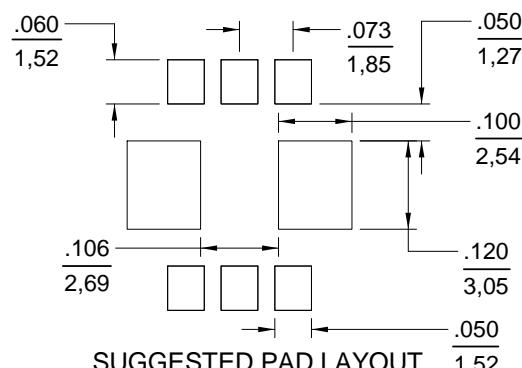
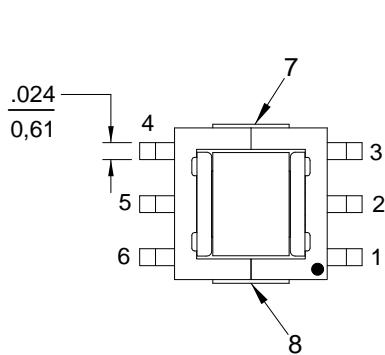


Features

- **Low Profile – Height: 4.0mm Max.**
 - **Primary Rated for 6 Amps RMS Max.**
 - **Operating Frequency Range: 10kHz to 1MHz**
 - **Temperature range -40°C to +130°C**
 - **Electrical Specifications @ 25°C**
 - **Tinned Leads with Leaded Solder is Available (note 6)**

Datronics Part Number	Turns Ratio (± 2%)	Inductance (1-3) µH (TYP)	DCR (1-3) Ω (MAX)	Hipot Vrms
CT317-020	1:20	100	0.50	500
CT317-030	1:30	230	0.75	500
CT317-040	1:40	440	1.03	500
CT317-050	1:50	670	1.61	500
CT317-060	1:60	1000	1.98	500
CT317-070	1:70	1300	2.97	500
CT317-100	1:100	2800	5.36	500
CT317-125	1:125	4400	6.67	500
CT317-200	1:200	12200	33.24	500

Mechanical Outline:



Notes:

- 1.) All dimensions are in inches/mm
Tolerance: $\pm 0.010/0.25$ unless otherwise specified
 - 2.) Inductance tested at 10 kHz, 0.1Vrms
 - 3.) Coplanarity: 0.004/0.102
 - 4.) Tape and reel quantity, 1200 pcs/reel
 - 5.) Terminating resistor (R_T) calculated:
$$R_T = (N_{\text{TURN}} / I_{\text{PRI}}) * V_{\text{REF}}$$
 - 6.) For Non-RoHS parts, replace CT prefix with -42 e.g. CT317 becomes 42-317
 - 7.) Terminal finish compliant to RoHS requirements. Solder in accordance with J-STD-020D