March 1, 2007

DATATRONIC
DISTRIBUTION, INC.

SELF-LEADED SMD INDUCTOR DR338 SERIES

Features

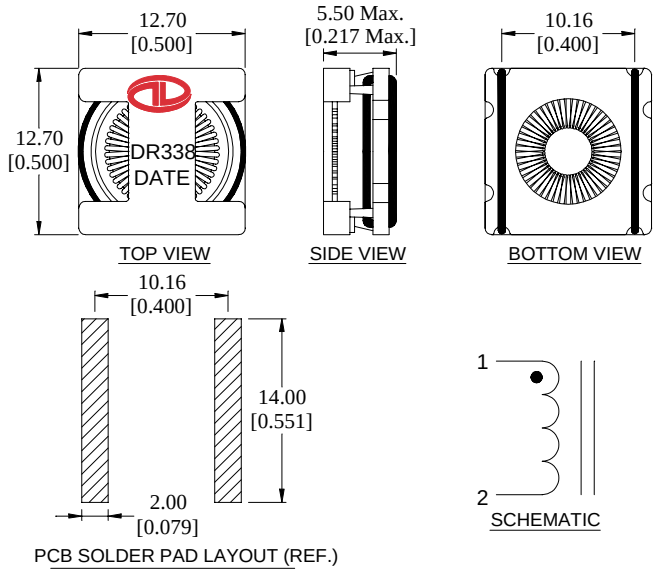
- **Low Profile Surface Mount Design**
- **Flat Top for Pick and Place**
- **Inductance Range from 10 µH to 470µH**
- **Operating Temp. -40°C to +85°C**
- **Tinned Leads with Leaded Solder is Available** (note 3)



ELECTRICAL SPECIFICATIONS AT 25ºC

PART No.	INDUCTANCE (µH) ±20% @10kHz, 0.1V	DCR (Ω) Max.	RATED CURRENT (A) Nominal	ETop @100kHz (V-µSec) Max.
DR338-100	10	0.03	3.6	15
DR338-140	14	0.04	3.2	18
DR338-180	18	0.05	2.8	20
DR338-200	20	0.06	2.6	22
DR338-250	25	0.07	2.4	24
DR338-330	33	0.10	2.0	28
DR338-470	47	0.14	1.7	32
DR338-560	56	0.15	1.65	37
DR338-680	68	0.16	1.6	40
DR338-820	82	0.22	1.3	44
DR338-101	100	0.35	1.2	49
DR338-141	140	0.40	1.0	55
DR338-151	150	0.45	0.9	59
DR338-181	180	0.50	0.9	63
DR338-201	200	0.60	0.8	67
DR338-221	220	0.70	0.8	71
DR338-271	270	0.88	0.65	78
DR338-331	330	1.00	0.65	85
DR338-471	470	1.50	0.53	99

MECHANICAL OUTLINES



NOTES:
1. All dimensions are shown in millimeters “mm” [inches “in”].
2. General Tolerance ±0.25mm [0.010 in.], unless otherwise specified.
3. For non-RoHS parts replace DR prefix with 42- (e.g. DR338 becomes 42-338).
4. Terminal finish is compliant to RoHS requirements. Solder in accordance with J-STD-020C.

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All specifications are subject to change without notice.