

## SMD INDUCTOR DR365-1 SERIES

### Features

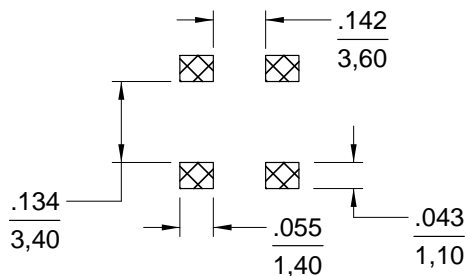
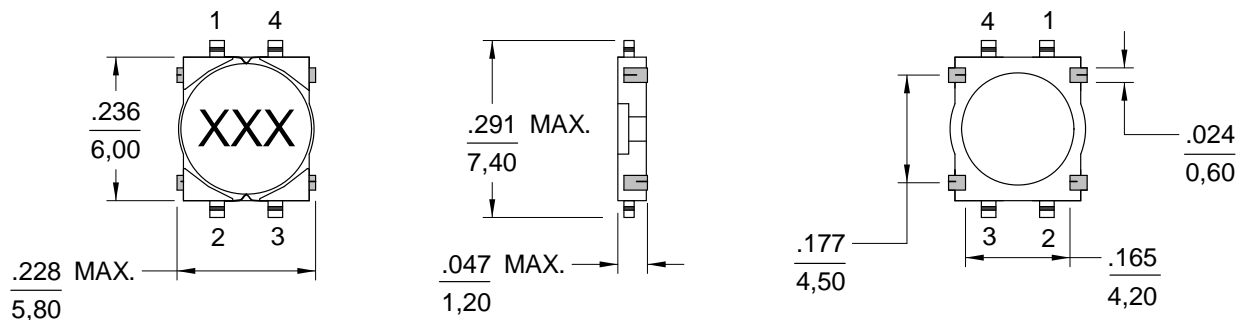
- Low Profile Surface Mount Design
- Inductance Range from 3.3 $\mu$ H to 100 $\mu$ H
- Temperature Range -40°C to +85°C
- Tinned Leads with Leaded Solder is Available (note 4)



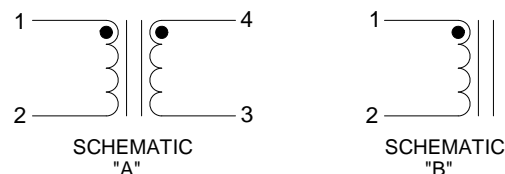
### ELECTRICAL SPECIFICATION AT 25°C

Part Number	Inductance ( $\mu$ H) @ 100kHz, 0.1V	DCR ( $\Omega$ ) Max.	Rated DC Current (A) Max.	Schematic
DR365-1-332	3.3 $\pm$ 20%	0.11	0.94	A
DR365-1-472	4.7 $\pm$ 20%	0.16	0.80	A
DR365-1-682	6.8 $\pm$ 20%	0.22	0.65	A
DR365-1-103	10.0 $\pm$ 20%	0.28	0.53	A
DR365-1-153	15.0 $\pm$ 20%	0.44	0.40	A
DR365-1-223	22.0 $\pm$ 20%	0.67	0.36	B
DR365-1-333	33.0 $\pm$ 20%	0.98	0.32	B
DR365-1-473	47.0 $\pm$ 20%	1.38	0.26	B
DR365-1-683	68.0 $\pm$ 20%	1.70	0.23	B
DR365-1-104	100.0 $\pm$ 20%	2.80	0.20	B

### MECHANICAL OUTLINES



SUGGESTED PAD LAYOUT



### NOTES:

1. Dimensions are shown in inches/millimeters  
Unless otherwise specified, tolerance = Inches:  $\pm 0.010$   
= Millimeters:  $\pm 0,25$
2. Inductance is approximately 10% lower @ rated DC current from initial value
3. Tape & Reel Packaging, 2000 pieces per reel.
4. For non-RoHS parts replace DR prefix with 42- (e.g. DR365-1 becomes 42-365-1)
5. Terminal finish is compliant to RoHS requirements.  
Solder in accordance with J-STD-020D