

SERIES

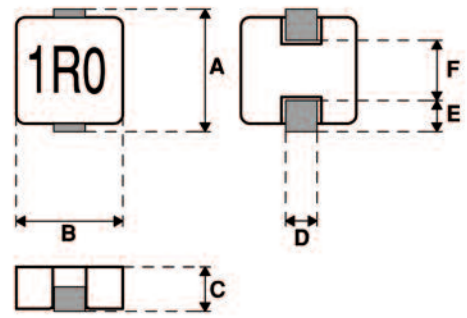
LP4040R **LP5035R**
LP5050R **LP5064R**



Commercial Low Profile Surface Mount Power Inductors



Actual Size (Max.)



Physical Parameters

	Inches	Millimeters
A	0.453 Max.	11.5 Max. (LP4040R)
	0.539 Max.	13.7 Max.
B	0.406 Max.	10.3 Max. (LP4040R)
	0.508 Max.	12.9 Max.
C	0.138 Max.	3.5 Max. (LP5035R)
	0.157 Max.	4.0 Max. (LP4040R)
	0.197 Max.	5.0 Max. (LP5050R)
	0.252 Max.	6.4 Max. (LP5064R)
D	0.098 to 0.138	2.5 to 3.5 (LP4040R)
	0.118 to 0.157	3.0 to 4.0
E	0.075 to 0.098	1.9 to 2.5 (LP4040R)
	0.079 to 0.102	2.0 to 2.6
F	0.283 (Ref. only)	7.2 (Ref. only) (LP4040R)

Dimensions "A" and "C" are over terminals.

Operating Temperature Range -20°C to +125°C

Current Rating at 25°C Ambient 40°C Rise

Inductance Measured at 0.25 VAC with no DC Current

Incremental Current The current at which the inductance will be decreased by a maximum of 20% from its initial 0 DC value.

Application Frequency to 1.0 MHz

DASH NUMBER*	INDUCTANCE (µH) ±20% @ 100 kHz	DC RESISTANCE MAXIMUM (mOHMS)	CURRENT RATING TYPICAL (A DC)	INCREMENTAL CURRENT TYPICAL (A DC)
SERIES LP4040R				
-R36M	0.36	1.20	30.0	60.0
-R45M	0.45	1.50	29.0	45.0
-R56M	0.56	1.80	25.0	40.0
-R88M	0.88	3.00	20.0	38.0
-1R0M	1.0	3.30	18.0	36.0
-1R5M	1.5	4.20	16.0	33.0
SERIES LP5035R				
-R15M	0.150	1.20	41.0	75.0
-R22M	0.220	1.30	39.0	65.0
-R33M	0.330	1.50	37.0	62.0
-R47M	0.470	2.00	32.0	55.0
-R60M	0.600	2.20	29.0	51.0
-R68M	0.680	2.50	28.0	49.0
-R82M	0.820	3.00	25.0	44.0
-1R0M	1.00	3.50	24.0	40.0
-1R5M	1.50	5.50	19.0	35.0
SERIES LP5050R				
-R22M	0.220	0.800	51.0	110.0
-R33M	0.330	1.10	42.0	80.0
-R47M	0.470	1.30	38.0	65.0
-R56M	0.560	1.50	36.0	55.0
-R68M	0.680	1.70	34.0	54.0
-R82M	0.820	2.30	31.0	53.0
-1R0M	1.00	2.50	29.0	50.0
-1R5M	1.50	4.10	23.0	48.0
-1R8M	1.80	4.90	19.0	40.0
SERIES LP5064R				
-R22M	0.220	0.700	53.0	112.0
-R33M	0.330	0.900	46.0	65.0
-R47M	0.470	1.20	41.0	63.0
-R56M	0.560	1.40	37.0	62.0
-R68M	0.680	1.60	35.0	60.0
-R82M	0.820	1.90	33.0	50.0
-1R0M	1.00	2.00	32.0	49.0
-1R8M	1.80	3.20	24.0	41.0
-2R2M	2.20	4.20	22.0	40.0

For surface finish information, refer to www.delevanfinishes.com

LP4040R Packaging Tape & reel: 13" reel, 500 pieces max.

LP5035R Packaging Tape & reel: 13" reel, 500 pieces max.

LP5050R Packaging Tape & reel: 13" reel, 250 pieces max.

LP5064R Packaging Tape & reel: 13" reel, 250 pieces max.

Unique inductive coil construction presents two outer coils ends, each integrally formed into a terminal lead at opposed sides of the inductor.