

Series

LP5035R
LP5050R
LP5064R



Commercial Low Profile Surface Mount Power Inductors

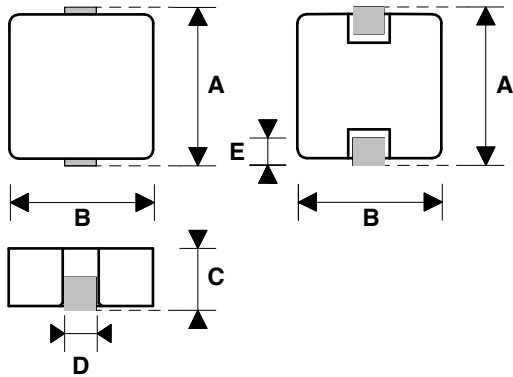
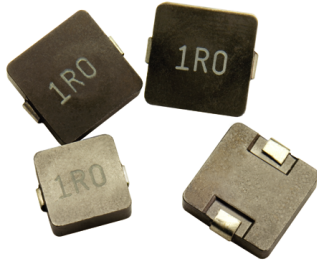
DASH NUMBER

INDUCTANCE (μH)
±20% @ 100 kHz

DC RESISTANCE
MAXIMUM (mOhms)

CURRENT RATING
TYPICAL (A DC)

INCREMENTAL
CURRENT (A DC)
TYPICAL



Physical Parameters

	Inches	Millimeters
A	0.539 Max.	13.7 Max.
B	0.508 Max.	12.9 Max.
C	0.138 Max.	3.5 Max. (Series LP5035R)
	0.197 Max.	5.0 Max. (Series LP5050R)
	0.252 Max.	6.4 Max. (Series LP5064R)
D	0.118 to 0.157	3.0 to 4.0
E	0.079 to 0.102	2.0 to 2.6

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

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

Current Rating at 25° Ambient 40°C Rise

Inductance Measured at 0.25VAC 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.

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.

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
-1R8M	1.80	7.00	17.0	30.0
SERIES LP5050R				
-R22M	0.220	0.800	51.0	110
-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
-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 further surface finish information refer to TECHNICAL section of this catalog.