

## EPI BSPH68 Series

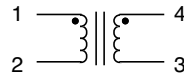


- Low loss material ensures operation in high frequency switching converters, such as Buck, Boost or as output averaging filter inductor
- Also suitable for use in high quality filter applications
- 250 KHz & 500 KHz Switching Frequency

### Electrical Parameters @ 25° C

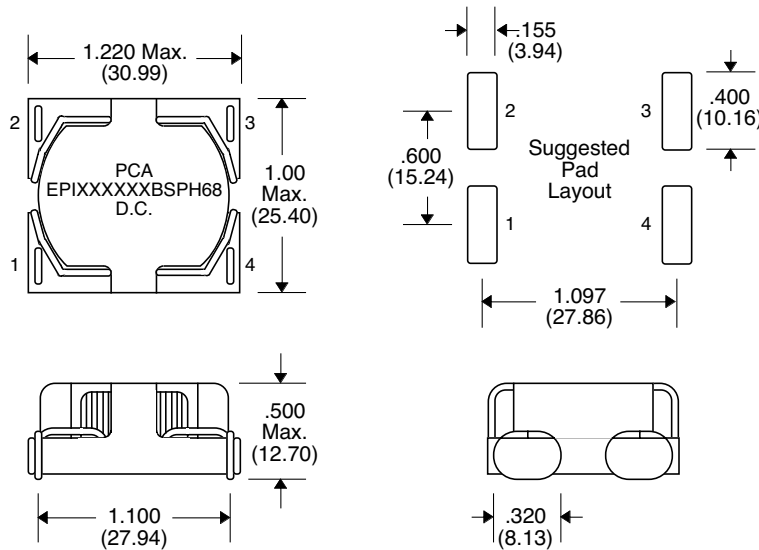
Part Number	Connection	DCR (Ω Typ.)	Idc (A)	Inductance (μH ± 15%) @ Idc	Inductance (μH ± 15%) @ Odc	Vt 1 (V-μsec.) @ 250 KHz	Vt 2 (V-μsec.) @ 500 KHz	Temp. Rise (C° Typ.)	
								@ Vt1	@ Vt2
EPI1L1383BSPH68	Series	.004	19	4.47	7.74	8.8	5.8	56	56
	Parallel	.001	38	1.1	1.94	4.4	2.9	56	56
EPI2L3273BSPH68	Series	.0090	13.5	9.12	15.8	12.4	8.2	63	63
	Parallel	.0023	27	2.3	3.95	6.2	4.1	63	63
EPI3L2243BSPH68	Series	.012	12	12.9	28.4	15.2	9.4	54	54
	Parallel	.003	24	3.2	7.1	7.6	4.7	54	54

### Schematic



**Note :** 1) Core loss at ref. Vt1 & Vt2 = 124 mW.

### Package



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25