

## EPI BH30 Series



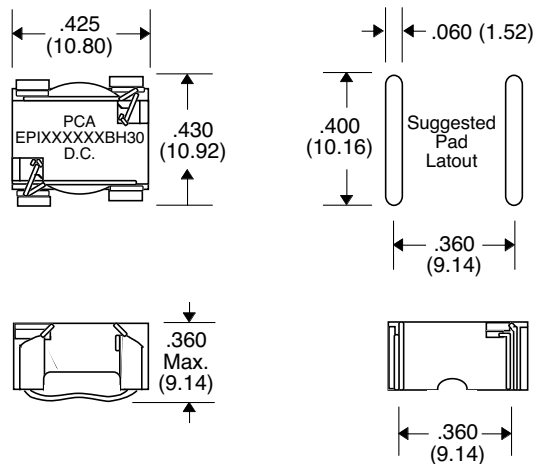
- Low loss material ensures operation in high frequency switching converters, such as Buck, Boost or as output averaging filter inductor
- Also suitable for use in high quality filter applications
- 500 KHz Switching Frequency

### Electrical Parameters @ 25° C

Part Number	Inductance ( $\mu\text{H} \pm 15\%$ ) @ 0 Adc	DCR ( $\Omega$ Typ.)	Idc (Amps)	Inductance ( $\mu\text{H} \pm 15\%$ ) @ Idc	Vt (V- $\mu\text{sec}$ ) @ 500 KHz	Temp. Rise @ Idc (°C Typ.)
EPI3L8482BH30	5.0	.0148	4.8	3.8	1.6	57
EPI9L6282BH30	12.6	.0377	2.8	9.6	2.6	51
EPI290142BH30	35.2	.123	1.40	29	4.3	43
EPI111941BH30	167	.333	.94	116	9.4	51

• Core Loss @ Vt : 15 mW •

### Package BH30



**Note:** Coplanarity within .005" Max.

Unless Otherwise Specified Dimensions are in Inches /mm  $\pm .010 / .25$