

EPI BSP30 Series

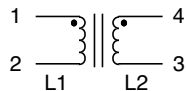


- Used as a Sepic Inductor on T.I.'s TPS6113X Series
- Low loss material ensures operation in high frequency switching converters, such as Buck, Boost/Couple Inductor or as Flyback Transformer
- Also suitable for use in high quality filter applications
- UL1446 Class B Insulating System
- UL94V-0 Recognized Materials
- 250 KHz Switching Frequency

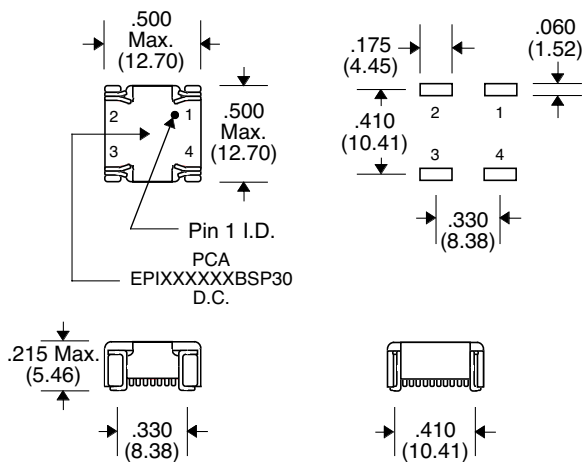
Primary Specification

Part Number	Connection	Inductance ($\mu\text{H} \pm 15\%$) @ 0 Adc	Inductance ($\mu\text{H} \pm 15\%$) @ I _{dc}	DCR (Ω Typ.)	I _{dc} (Amps)	ET (V- $\mu\text{Sec.}$) @ 250 KHz
EPI900132BSP30	Series	363.4	344.9	1.048	0.65	100.40
	Parallel	90.8	86.2	.262	1.30	50.20
EPI670152BSP30	Series	269.7	256.0	.708	0.75	86.48
	Parallel	67.4	64.0	.177	1.50	43.24
EPI470182BSP30	Series	190.0	180.0	.476	0.90	72.56
	Parallel	47.5	45.0	.119	1.80	36.28
EPI330212BSP30	Series	130.8	124.2	.320	1.08	60.24
	Parallel	32.7	31.0	.080	2.16	30.12
EPI220262BSP30	Series	88.1	83.6	.212	1.32	49.44
	Parallel	22.0	20.9	.053	2.64	24.72
EPI150312BSP30	Series	62.8	59.5	.152	1.56	41.68
	Parallel	15.7	14.9	.038	3.12	20.84
EPI100382BSP30	Series	41.6	39.5	.096	1.92	33.92
	Parallel	10.4	9.9	.024	3.84	16.96
EPI5L5522BSP30	Series	22.0	20.9	.068	2.60	24.72
	Parallel	5.51	5.2	.017	5.20	12.36
EPI2L6722BSP30	Series	10.4	10.0	.036	3.60	16.96
	Parallel	2.61	2.5	.009	7.20	8.48
EPI2L1832BSP30	Series	8.6	8.17	.026	4.15	15.44
	Parallel	2.15	2.05	.0065	8.30	7.72
EPI331611BSP30	Series	363.4	350	1.048	.610	100.40
	Parallel	90.8	90	.262	.850	50.20

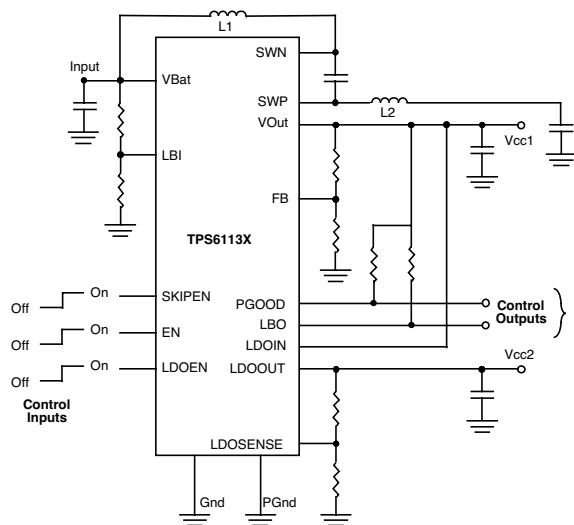
Schematic



Package BSP30



Application



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