

EPI G2420 Series

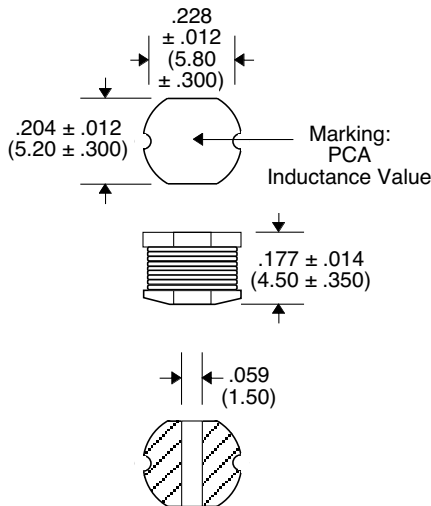


- Used in TFT-LCD Bias Supply, Digital Cameras, Cordless Phones, Medical Diagnostic Equipment, Handheld Devices, MP3 Players and Other Portable Devices
- Used as Inductors in Linear Technology LT1109/A, LT1307/17, LT1618, LTC1174, LTC1707/10 & LTC1877/78
- Low loss material ensures operation in high frequency switching converters, such as Buck, Boost or as output averaging filter inductor

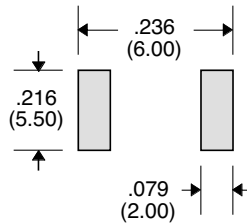
Primary Specification

Part Number	Induct. ($\mu\text{H} \pm 10\%$ @ 0 Adc)	DCR (Ω Max.)	Idc (Amps Max.)
EPI100152G2420	10	.100	1.44
EPI120142G2420	12	.120	1.40
EPI150132G2420	15	.140	1.30
EPI180122G2420	18	.150	1.23
EPI220112G2420	22	.180	1.11
EPI270971G2420	27	.200	0.97
EPI330881G2420	33	.230	0.88
EPI390801G2420	39	.320	0.80
EPI470721G2420	47	.370	0.72
EPI560681G2420	56	.420	0.68
EPI680611G2420	68	.460	0.61
EPI820581G2420	82	.600	0.58
EPI101521G2420	100	.700	0.52
EPI121481G2420	120	.930	0.48
EPI151401G2420	150	1.10	0.40
EPI181381G2420	180	1.38	0.38
EPI221351G2420	220	1.57	0.35

Package G2420



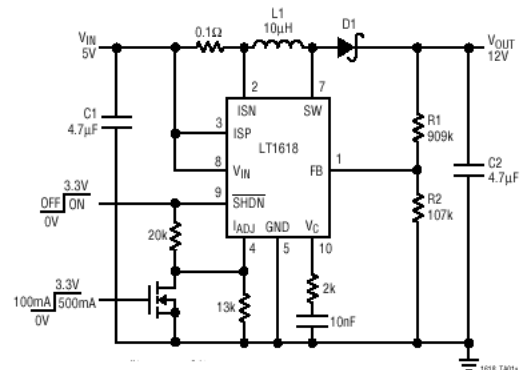
Recommended Pad Layout



- Note :
1. Temperature Rise : 40°C Typ. @ Idc
 2. Inductance Change at I Saturation : 10% TYP.

Application

USB to 12V Boost Converter (with Selectable 100mA/500mA Input Current Limit)



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