

Thru-Hole Power Inductor

EPI AVM1 Series

Features of the EPI "AVM1" 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
- Up to 500 KHz Switching Frequency
- UL 1446 Class B Insulation System
- UL 94V-0 Recognized Material
- In Vertical Mount Package
- Low Cost Inductor

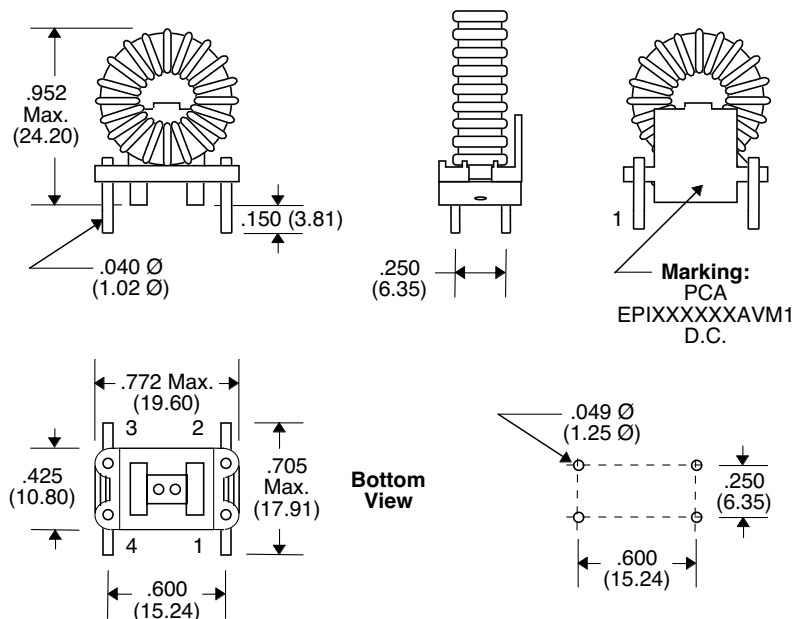
Primary Specification

Part Number	Induct. ($\mu\text{H} \pm 20\%$) @ 0 Adc	Induct. ($\mu\text{H} \pm 15\%$) @ I Sat	DCR (Ω Typ.)	I _{dc} (A)	I Sat (A)	Core Loss (mW) @ V _t	V _t (V- $\mu\text{Sec.}$) @ 100 KHz	Energy (μJ) @ I Sat	Temp. Rise @ I _{dc} (°C)
EPI500272AVM1	50.29	35.0	.054	2.6	2.7	33	16.3	128	26.5
EPI101242AVM1	100.38	69.3	.097	2.5	2.4	51	27.5	200	33
EPI151232AVM1	151.69	105.3	.124	2.1	2.3	58	35.7	279	25

Schematic



Package AVM1



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