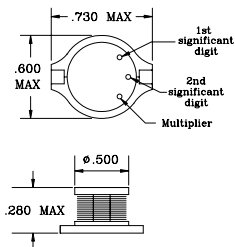


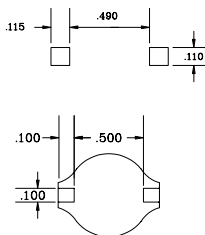
- Designed for use in DC-DC converters where high energy storage combined with low DCR is a requirement
- Suitable for auto assembly and compatible with reflow process to 240°C
- Useful in battery-powered and low voltage converters
- Rugged design features with an extended operating temperature range of -40°C to +85°C



## MECHANICAL AND SCHEMATIC (All dimensions in inches)



## SUGGESTED PAD LAYOUT



## SCHEMATIC



## ELECTRICAL SPECIFICATIONS @ 25°C

Part Number	Inductance <sup>1</sup> ( $\mu\text{H} \pm 20\%$ )	DCR ( $\Omega$ MAX)	$I_{\text{sat}}$ <sup>2</sup> (A)	$I_{\text{rms}}$ <sup>3</sup> (A)
8404-10G	1.0	0.009	20	8.6
8404-22G	2.2	0.014	16	7.1
8404-33G	3.3	0.018	14	6.2
8404-56G	5.6	0.020	12	5.3
8404-100	10.0	0.031	10	4.3
8404-150	15.0	0.036	8.0	4.0
8404-220	22.0	0.047	7.0	3.5
8404-330	33.0	0.066	5.5	3.0
8404-470	47.0	0.086	4.5	2.6
8404-680	68.0	0.13	3.5	2.3
8404-101	100.0	0.19	3.0	1.8
8404-151	150.0	0.25	2.6	1.5
8404-221	220.0	0.38	2.4	1.2
8404-331	330.0	0.56	1.9	1.0
8404-471	470.0	0.85	1.4	0.82
8404-681	680.0	1.10	1.2	0.72
8404-102	1000.0	1.80	1.0	0.56

- NOTES:
1. Tested at 100 kHz, 0.1 Vrms.
  2. Inductance drop = 10% typ. at  $I_{\text{sat}}$ .
  3.  $\Delta T = 40^\circ\text{C}$  typ. at  $I_{\text{rms}}$ .