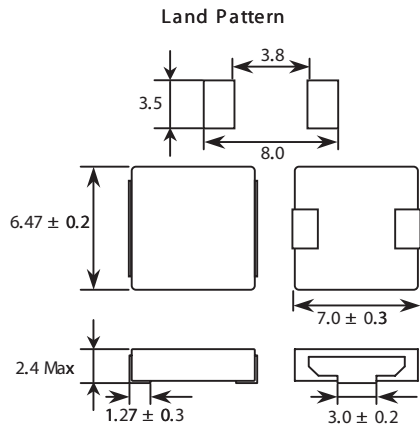


Mechanical Specification


Dimensions: mm

Special Features

- Shield construction
- Frequency range up to 5MHz
- Lowest DCR/uH
- Low buzz noise

Applications

- PDA/Notebook/Desktop/Server applications
- Low profile,high current power supplies
- Battery powered devices
- DC/DC converters for power system distribution

Notes

- Inductance : 100kHz, 100mV
- Tolerance of inductance : $\pm 20\%$
- Saturation rated current :
20% lower than its initial value
- Temperature rise current : $\Delta T = 40\%$
- Operating temperature : $-55^{\circ}\text{C} \sim 120^{\circ}\text{C}$
- All test data is referenced to 25°C ambient

Electrical Specification
VV-5000 SERIES

Part Number	Inductance (μH)	DCR (Typical, $\text{m}\Omega$)	DCR (Max, $\text{m}\Omega$)	Saturation Rated Current (Typical, A)	Temperature Rise Current (Typical, A)
VV-5000-R47	0.47	5.5	6.5	19.0	14.0
VV-5000-R68	0.68	7.5	9.4	18.0	11.5
VV-5000-R82	0.82	8.0	11.8	16.0	10.5
VV-5000-1R0	1.00	9.0	14.2	15.0	10.0
VV-5000-1R5	1.50	19.0	21.2	13.0	8.0
VV-5000-2R2	2.20	25.0	34.0	12.0	7.0
VV-5000-3R3	3.30	48.0	51.6	9.0	5.5
VV-5000-4R7	4.70	55.0	63.0	7.5	5.0
VV-5000-6R8	6.80	82.0	95.0	6.0	4.0
VV-5000-8R2	8.20	98.0	106.0	5.5	3.5
VV-5000-100	10.00	112.0	129.0	5.0	3.0