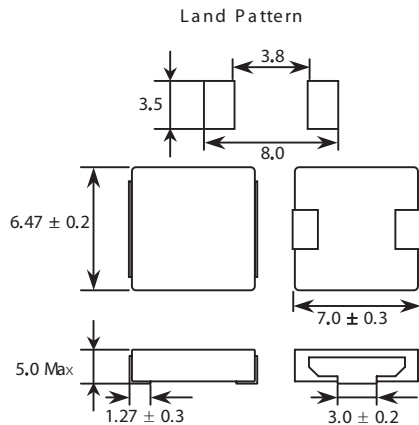


Mechanical Specification



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-5300 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-5300-R47	0.47	2.3	3.0	23.0	20.0
VV-5300-R68	0.68	3.8	4.5	20.5	18.5
VV-5300-R82	0.82	5.0	6.0	18.5	16.5
VV-5300-1R0	1.00	5.5	6.8	17.5	14.5
VV-5300-1R5	1.50	6.5	7.5	16.0	13.0
VV-5300-2R2	2.20	10.5	12.5	13.5	11.0
VV-5300-3R3	3.30	16.3	18.0	11.0	10.0
VV-5300-4R7	4.70	19.3	21.0	10.0	9.0
VV-5300-6R8	6.80	35.0	39.0	8.5	7.0
VV-5300-8R2	8.20	47.0	52.0	7.5	5.5
VV-5300-100	10.00	60.0	65.0	6.0	4.5
VV-5300-220	22.00	142.0	145.0	1.5	1.5