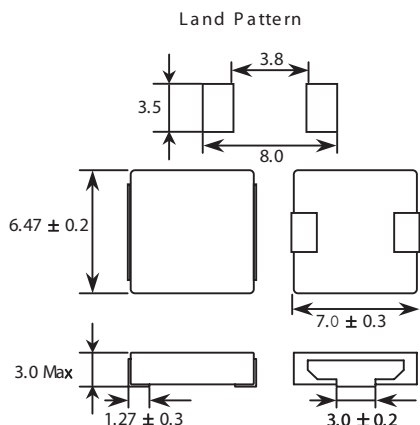


Mechanical Specification



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 : ±20%
- Saturation rated current :
20% lower than its initial value
- Temperature rise current : ΔT= 40%
- Operating temperature : -55°C~120°C
- All test data is referenced to 25°C ambient

Electrical Specification

VV-5100 SERIES

Part Number	Inductance (μH)	DCR (Typical,mΩ)	DCR (Max,mΩ)	Saturation Rated Current (Typical,A)	Temperature Rise Current (Typical,A)
VV-5100-R47	0.47	4.0	4.2	26.0	17.5
VV-5100-R68	0.68	5.0	5.5	25.0	15.5
VV-5100-R82	0.82	6.7	8.0	24.0	13.0
VV-5100-1R0	1.00	9.0	10.0	22.0	11.0
VV-5100-1R5	1.50	14.0	15.0	18.0	9.0
VV-5100-2R2	2.20	18.0	20.0	14.0	8.0
VV-5100-3R3	3.30	28.0	30.0	13.5	6.0
VV-5100-4R7	4.70	37.0	40.0	10.0	5.5
VV-5100-6R8	6.80	54.0	60.0	8.0	4.5
VV-5100-8R2	8.20	64.0	68.0	7.5	4.0
VV-5100-100	10.00	102.0	105.0	7.0	3.0