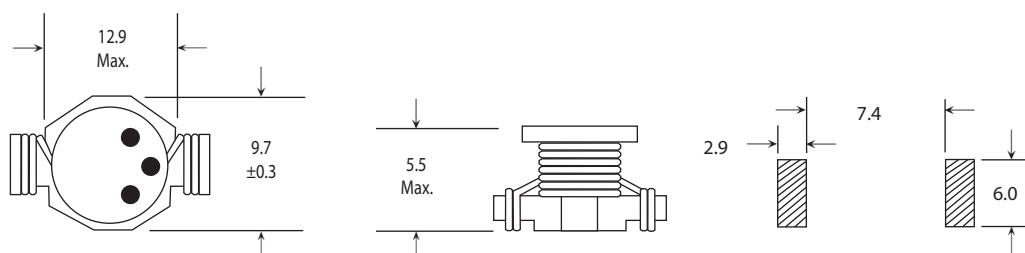


**Mechanical Specification**



Dimensions : mm

Pad Layout

**Special Features**

- High current capacity
- High reliability
- Low DCR
- Ferrite bobbin core
- Compact size
- High heat resistance, ideal for reflow soldering
- Test frequency 100KHz
- Operating temperature -55°C to +105°C
- Tape & reel packaged 500/reel

**Notes**

- \* Saturation DC current to cause 10% max. inductance dropped
- \*\* Rms current to cause 30°C max. temperature rise

**Electrical Specification**

**VV-8100 SERIES**

Part Number	L(uH) ±20%	DCR (Ω) Max.	I <sub>sat</sub> * (A)	I <sub>rms</sub> ** (A)
VV-8100-1R0M	1.0	0.008	9.0	6.8
VV-8100-1R5M	1.5	0.009	8.0	6.4
VV-8100-2R2M	2.2	0.01	7.0	6.1
VV-8100-3R3M	3.3	0.013	6.4	5.4
VV-8100-4R7M	4.7	0.016	5.4	4.8
VV-8100-6R8M	6.8	0.019	4.6	4.4
VV-8100-100M	10	0.025	3.8	3.9
VV-8100-150M	15	0.04	3.0	3.1
VV-8100-220M	22	0.05	2.6	2.7
VV-8100-330M	33	0.088	2.0	2.1
VV-8100-470M	47	0.12	1.6	1.8
VV-8100-680M	68	0.16	1.4	1.5
VV-8100-101M	100	0.23	1.2	1.3
VV-8100-151M	150	0.33	1.0	1.0
VV-8100-221M	220	0.53	0.8	0.8
VV-8100-331M	330	0.81	0.6	0.6
VV-8100-471M	470	1.1	0.5	0.5
VV-8100-681M	680	1.6	0.4	0.4
VV-8100-102M	1000	2.15	0.3	0.3