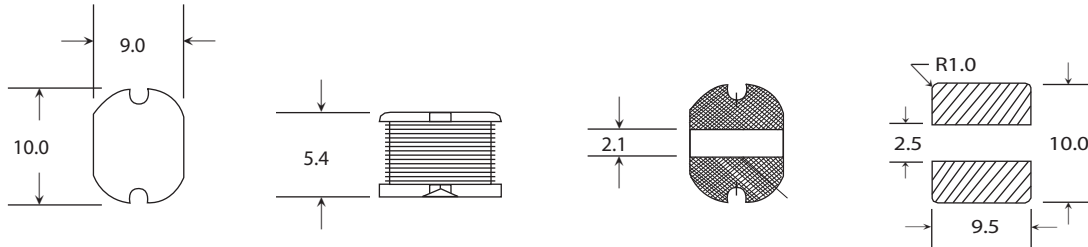


Mechanical Specification



Dimensions : mm
Tol : ±0.5

Pad Layout

Special Features

- High current capacity
- Ferrite bobbin core
- Low core loss for high frequency power application
- Compact size
- Large terminal surface for good PCB bonding
- Operating temperature -30°C to +100°C
- Tape & reel packaged 500/reel

Notes

- * Current to cause maximum 10% of inductance drop, or 40°C temperature rise

Electrical Specification

VV-8700 SERIES

Part Number	L(uH) ±20%	Test Freq.	SRF (MHz) Typ.	DCR (Ω) Max.	I _{DC} * (A)
VV-8700-100M	10	2.52 MHz	25	0.06	2.60
VV-8700-120M	12	2.52 MHz	23	0.07	2.45
VV-8700-150M	15	2.52 MHz	19	0.08	2.27
VV-8700-180M	18	2.52 MHz	18	0.09	2.15
VV-8700-220M	22	2.52 MHz	15	0.10	1.96
VV-8700-270M	27	2.52 MHz	14	0.11	1.76
VV-8700-330M	33	2.52 MHz	13	0.12	1.50
VV-8700-390M	39	2.52 MHz	12	0.14	1.37
	±10%				
VV-8700-470K	47	2.52 MHz	10	0.17	1.28
VV-8700-560K	56	2.52 MHz	10	0.19	1.17



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VV-8700 SERIES

Part Number	L(uH) ±20%	Test Freq.	SRF (MHz) Typ.	DCR (Ω) Max.	I,DC* (A)
VV-8700-680K	68	2.52 MHz	9	0.22	1.11
VV-8700-820K	82	2.52 MHz	8	0.25	1.00
VV-8700-101K	100	1 KHz	7	0.35	0.97
VV-8700-121K	120	1 KHz	6	0.40	0.89
VV-8700-151K	150	1 KHz	5	0.47	0.78
VV-8700-181K	180	1 KHz	5	0.63	0.72
VV-8700-221K	220	1 KHz	5	0.73	0.66
VV-8700-271K	270	1 KHz	4	0.97	0.57
VV-8700-331K	330	1 KHz	4	1.15	0.52
VV-8700-391K	390	1 KHz	3	1.30	0.48
VV-8700-471K	470	1 KHz	3	1.48	0.42
VV-8700-561K	560	1 KHz	3	1.90	0.33
VV-8700-681K	680	1 KHz	2	2.25	0.28
VV-8700-821K	820	1 KHz	2	2.55	0.24