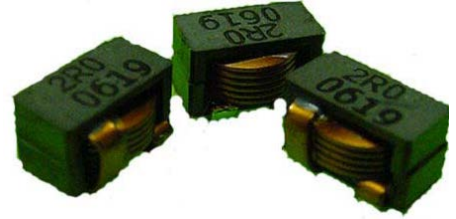


1. Features of AQ4024 Series :

- Ferrite based SMD inductor with low core loss.
- Inductance Range: 0.75uH to 12.0uH, custom values are welcomed.
- Foot Print 7.20mm x 9.40mm max.
- Operating frequency up to 3.0MHz.
- Operating Temperature Range -25°C to + 130°C.
- RoHS and HF Compliant.
- T & R Qty: 700 pcs.



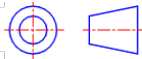
2. Electrical Characteristics of AQ4024 Series:

Part Number	Inductance L (uH)	Inductance Tolerance (%)	DCR $\pm 10\%$ (m Ω)	I _{rms} (A)	I _{sat} @ 25°C (A)	L @ I _{sat} (uH)
AQ4024-R75MHF	0.75	20.00	2.20	14.0	19.0	0.66
AQ4024-1R3LHF	1.30	15.00	2.70	12.6	12.0	1.10
AQ4024-2R0LHF	2.00	15.00	2.70	11.5	8.0	1.68
AQ4024-7R2LHF	7.20	15.00	16.00	6.0	6.0	5.55
AQ4024-120LHF	12.00	15.00	16.00	6.0	3.5	9.37

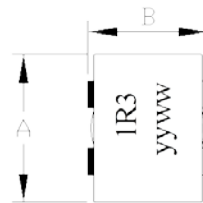
3. Mechanical Dimension of AQ4024 Series (Unit:mm)

A	B	C	D
± 0.3	± 0.3	Max.	± 0.3
9.4	7.2	5.5	5.2

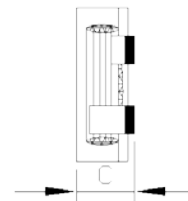
Third Angle Projection:



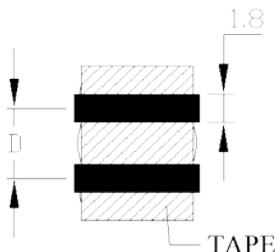
Part Marking:
Rxx x: xx is inductance value in uH(R:decimal point),
x is special code.
YYWW: Date Code



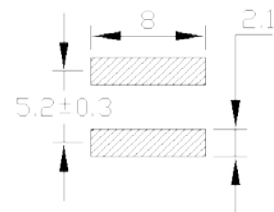
(TOP VIEW)



(SIDE VIEW)



(BOTTOM VIEW)

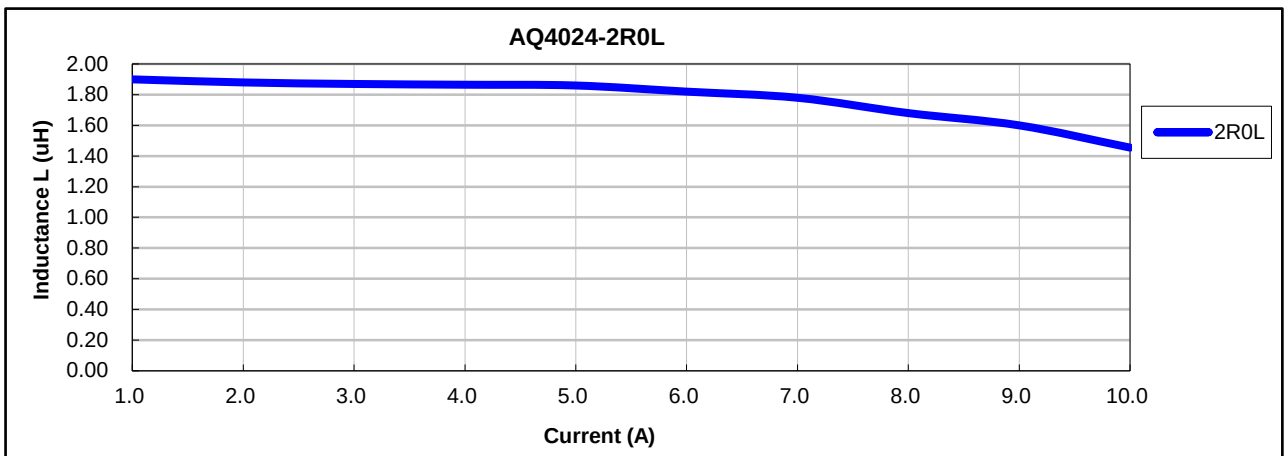
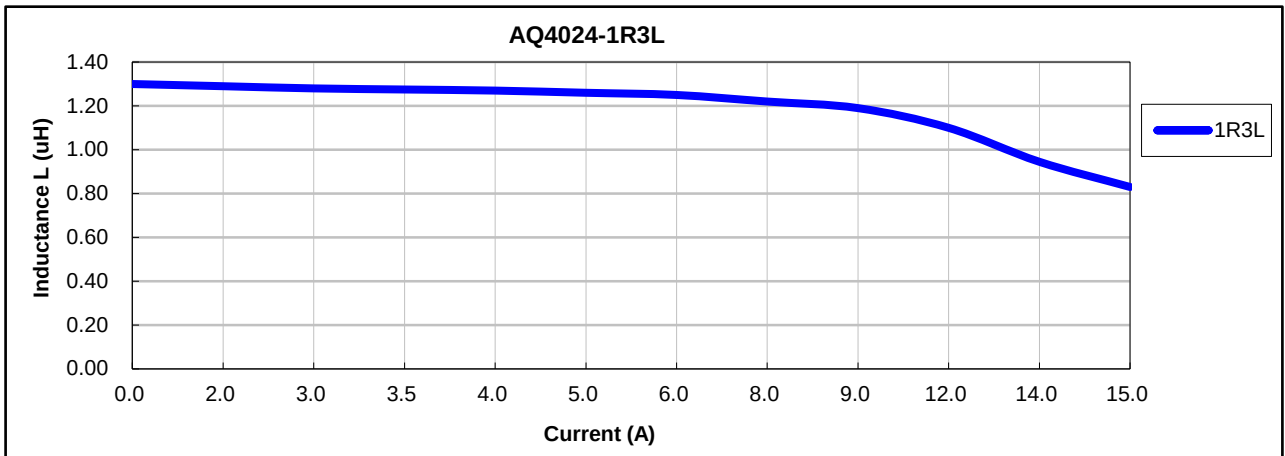
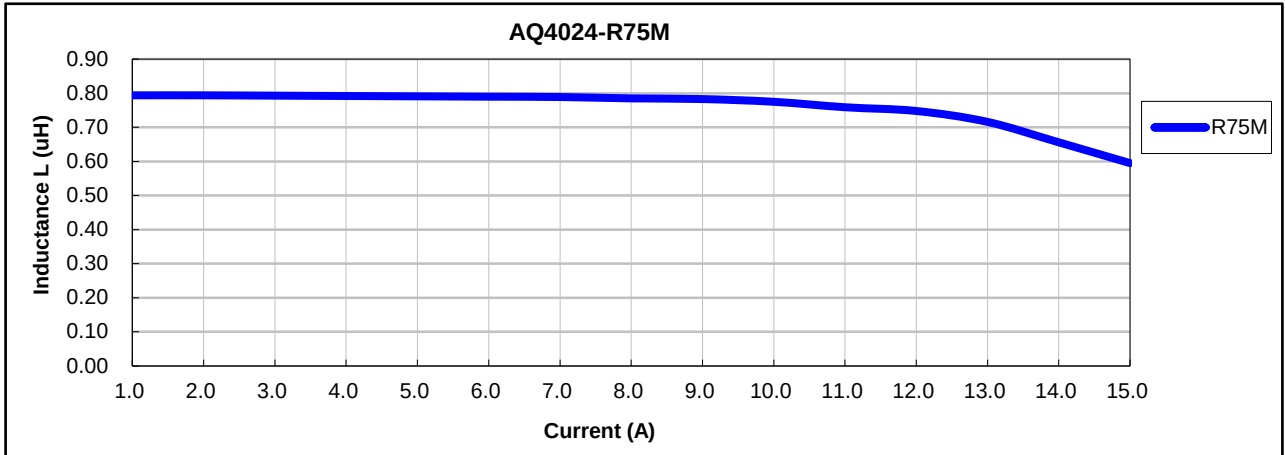


(PAD)

Test Condition:

1. Test condition: 300KHz, 0.10Vrms, at 25°C
2. I_{rms}: DC current rating at 40°C temperature raise (typical)
3. I_{max}: DC current rating at 100°C temperature rise (typical)

4. AQ4024 DC Bias Curve





AQ4024 Series



4. AQ4024 DC Bias Curve

