

THT POWER INDUCTORS

Rod Inductor Series



Features

- Low cost solution
- Good saturation current
- Custom designs available



Application

- Inductors for speaker and audio

Electrical Specifications @25°C

Ordering Code	Fig.	Inductance@1kHz (μH)	D.C.R. (Ω Max.)	Saturation Current (A) ²	Temperature Rise Current (A) ³
3M72AA40	1	330±15%	0.20	4.20	3.4
3M72AA20	1	390±15%	0.23	4.00	3.2
3M72AA50	1	420±15%	0.25	3.80	3.1
3M72AA30	1	470±15%	0.27	3.70	3.0

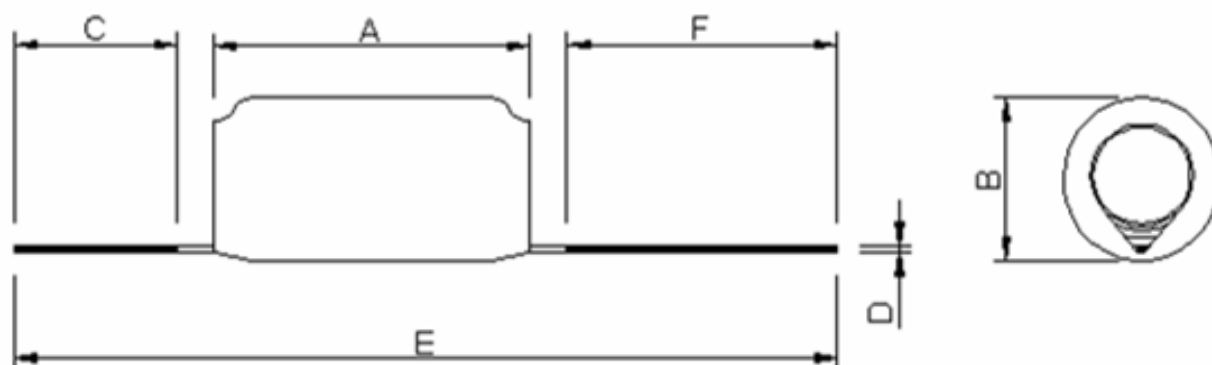
1. Operating Temperature: -40°C~+120°C(Includes temperature when the coil is heated)

2. Saturation Current: DC current which causes the inductance to drop 30% from the nominal value

3. Temperature Rise Current: DC current which causes the coil temperature rise 40°C (Ta=20°C)

Mechanical

Fig. 1



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Dimensions (mm)

Ordering Code	Fig.	A (Max.)	B (Max.)	C (Max.)	D (Nom.)	E (Max.)	F (Nom.)
3M72AA40	1	32.0	19.0	35.0	0.70	112.0	40
3M72AA20	1	32.0	19.0	35.0	0.70	112.0	40
3M72AA50	1	32.0	19.0	35.0	0.70	112.0	40
3M72AA30	1	32.0	19.0	35.0	0.70	112.0	40

Schematic

