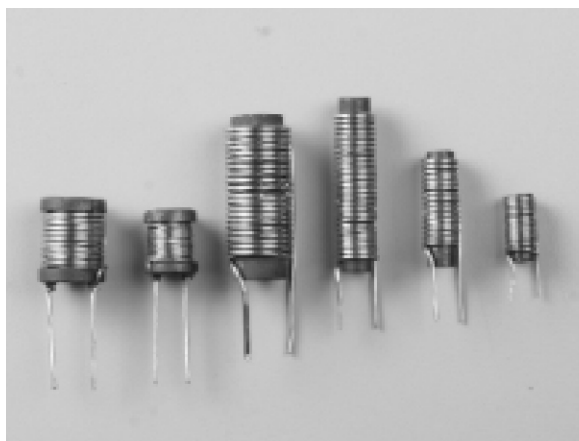




# Drum Core Chokes & Rod Core Chokes



### Description :

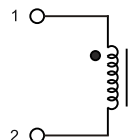
- Low Cost magnetic components for custom specifications.
- Power range from 1 Watt to 120 Watts.
- Frequency range from 20kHz to .5MHz.
- High power density and low radiated noise.
- Meets UL 94V - 0 flammability standard.
- RoHS compliant ( -R option ).

### Applications

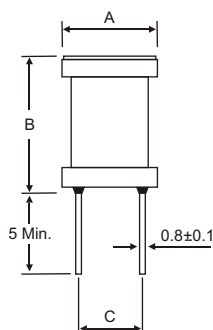
- Inductors : buck, boost, coupled, choke, filter, resonant, Noise filtering, differential, forward, common mode
- Transformers : flyback, feed forward, push-pull, multiple output, inverter, set-up, step-down, gate drive, base drive, wide band, pulse, control, impedance, isolation, bridging, ringer, converter, auto.

Drum Core Size	Part Number	Inductance @ 1 kHz / 0.3 V	DC Resistance Max. (@ 20°C)	Rated Current (rms)	Isat
<b>Drum Core Chokes</b>					
6 x 8	MID 0001	3.3 uH±20%	25 m Ohms	1.0 A	2.5 A
	MID 0002	10 uH±20%	60 m Ohms	1.0 A	1.5 A
	MID 0003	15 uH±20%	110 m Ohms	0.5 A	1.0 A
	MID 0004	200 uH±20%	900 m Ohms	100 mA	300 mA
8 x 12	MID 0005	800 uH±20%	3.3 Ohms	150 mA	170 mA
	MID 0006	10 uH±20%	15 m Ohms	2.9 A	2.9 A
	MID 0007	33 uH±20%	45 m Ohms	1.5 A	1.5 A
	MID 0008	120 uH±20%	140 m Ohms	850 mA	850 mA
10 x 12	MID 0009	170 uH±20%	310 m Ohms	350 mA	800 mA
	MID 0010	330 uH±20%	475 m Ohms	400 mA	500 mA
	MID 0011	525 uH±20%	575 m Ohms	425 mA	425 mA
	MID 0012	1 mH±20%	1.3 Ohms	250 mA	250 mA
12 x 15	MID 0013	1.5 mH±20%	1.5 Ohms	250 mA	250 mA
	MID 0014	2.2 mH±20%	3 Ohms	100 mA	200 mA
	MID 0015	3.3 mH±20%	3.75 Ohms	100 mA	100 mA
	MID 0016	4.6 mH±20%	5 Ohms	100 mA	100 mA
	MID 0017	3 uH±20%	5.5 m Ohms	6 A	8 A
	MID 0018	47 uH±20%	75 m Ohms	1.5 A	2.5 A
	MID 0019	120 uH±20%	110 m Ohms	1.6 A	1.6 A
<b>Rod Core Chokes</b>					
Rod Core Size	Part No.	Inductance	DC Resistance	Rated Current	Isat
5 x 12	MIR 0001	3.3 uH±20%	20 mOhms	1.5 A	
	MIR 0002	1 uH±20%	3.5 mOhms	5 A	
	MIR 0003	3.3 uH±20%	13 mOhms	3 A	
5 x 20	MIR 0004	3.3 uH±20%	7 mOhms	6 A	
	MIR 0005	7.5 uH±20%	30 mOhms	1.5 A	
6 x 32	MIR 0006	5.6 uH±20%	8.0 mOhms	8 A	
10 x 30	MIR 0007	5.0 uH±30%	6 mOhms	10 A	

Schematic Diagram:



### Drum Core Chokes



Core Size	6 x 8	8 x 12	10 x 12	12 x 15
A max	7	9	11	13
B max	8	14	14	16
C Typ	3*	3.5	6	9*

Dimensions in mm. Not to Scale

#### Note :

- Inductance value is 90% of initial value at Isat.
- Drum Chokes are available without pins in thicker winding sizes ( indicated with\* )
- Drum Chokes can be encapsulated, covered with Insulation Tape or Heat Shrink Sleeve on request.

### Rod Core Chokes

Part No.	A max	B min	C	D with size +0.20 -0.00
MIR 0001	8.0	20.0	7.5±1.5	0.70
MIR 0002	10.0	25.0	10.0±1.5	1.20
MIR 0003	9.0	25.0	10.0±1.5	0.90
MIR 0004	10.0	25.0	7.5±1.5	1.20
MIR 0005	8.0	20.0	12.5±2.0	0.70
MIR 0006	12.0	40.0	10.0±2.0	1.30
MIR 0007	15.0	35.0	12.5±2.0	1.80

#### Note:

- Mechanical dimensions vary with core and wire size.
- Rod Chokes can be covered with Heat Shrink Sleeve on request.

