

RB SERIES
DRUM CORES

DESCRIPTION
- Ferrite Drum Cores

ENVIRONMENTAL DATA
- Storage temperature range: -55°C to +130°C
- Operating temperature range: -40°C to +130°C

PACKAGING INFORMATION
- Packaging information: pg. 495

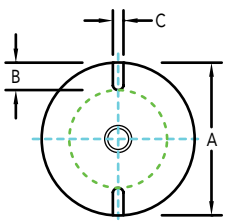
FEATURES & APPLICATIONS
- Offers a line of eight ferrite drum-core sizes
- Permits the design of a large range of inductance - values and current-ratings in easy-to-use, economical shape factors
- Well-suited as inductive elements in a variety of high DC saturation currents
- The core-material, with its low to moderate loss characteristics, enables practical application frequencies up to several hundred kHz and operating temperatures as high as 130°C

Verify operation with sample in actual circuit. Order samples at www.rencousa.com.

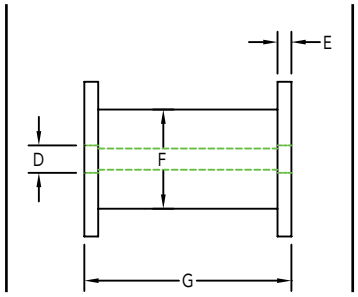
MECHANICAL DIMENSIONS
U.S. Standard (mm)

PART No.	A (NOM.)	B (TYP.)	C (TYP.)	D (REF.)	E (NOM.)	F (NOM.)	G (NOM.)	PART WEIGHT
RB-1	0.660 (16.76)	0.105 (2.60)	0.095 (2.40)	#4	0.190 (4.80)	0.375 (9.00)	0.850 (21.59)	10.0g (0.35oz)
RB-2	0.830 (21.08)	0.135 (3.40)	0.115 (2.90)	#4	0.190 (4.80)	0.453 (11.50)	0.850 (21.59)	16.1g (0.57oz)
RB-3	1.100 (27.94)	0.204 (5.20)	0.147 (3.70)	#4	0.190 (4.80)	0.538 (13.60)	0.850 (21.59)	27.9g (0.98oz)
RB-4	1.600 (40.64)	0.275 (6.90)	0.162 (4.10)	#8	0.190 (4.80)	0.835 (21.10)	1.100 (27.94)	68.6g (2.42oz)
RB-5	1.600 (40.64)	0.275 (6.90)	0.162 (4.10)	#8	0.190 (4.80)	0.840 (21.34)	1.450 (36.83)	83.7g (2.95oz)
RB-6	2.000 (50.80)	0.320 (8.10)	0.210 (5.30)	#8	0.215 (5.40)	1.063 (27.00)	1.500 (38.10)	142.8g (5.04oz)
RB-7	2.400 (60.96)	0.390 (9.90)	0.244 (6.20)	#8	0.266 (6.70)	1.311 (33.30)	1.500 (38.10)	223.3g (7.88oz)
RB-8	2.400 (60.96)	0.396 (10.00)	0.257 (6.50)	#8	0.220 (5.50)	1.311 (33.30)	2.550 (64.77)	310.8g (11.0oz)

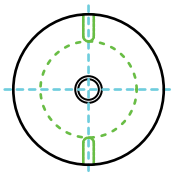
TOP VIEW



SIDE VIEW



BOTTOM VIEW



ELECTRICAL/MAGNETIC CHARACTERISTICS:
1. MAGNETIC PROPERTIES:
   CORE MATERIAL: FERRITE: .μo=2000, NOM; Bsat=4800, TYP. @ 25°C; CURIE TEMPERATURE, TC, ≥180°C
2. CORE COATING: BLACK EPOXY
3. ELECTRICAL CHARACTERISTICS:
   INDUCTANCE FACTOR; A_L (NOM), mH PER 1000 TURNS:
   RB-1, 53.0; RB-2, 66.0; RB-3, 88.0; RB-4, 129.0; RB-5, 114.0; RB-6, 160.0; RB-7, 220.0; RB-8, 170.0;

NOTES:
1. ALL DIMENSIONS NOMINAL WITH COATING 500VDC HIPOT
2. "D" DIAMETER PROVIDES CLEARANCE FOR INDICATED SCREW SIZE. NYLON OR BRASS ONLY
3. FOR MOUNTING ON CONDUCTIVE SURFACES, INSULATING WASHER RECOMMENDED. CONSULT FACTORY FOR INSTALLATION ALTERNATIVE

RENCO ELECTRONICS INC.
595 International Place, Rockledge, FL 32955-4200 USA • www.rencousa.com • ISO 9001 Certified
Toll Free Engineering Hot Line: 800.645.5828 • P: 321.637.1000 • F: 321.637.1600

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