

GRT TYPE

IRON POWER TOROID CHOKE COIL

FEATURES

- The GRT series coils are made from iron powder to provide high performance, compact size, and low cost.
- These products have high saturation magnetic-flux density and excellent DC superposition characteristics.
- These products have low leakage and acoustic noise is minimal.

Applications

- Choke coil for smoothing circuit of the switching power supply.
- Choke coil for active filter.
- Power lines filter for EMC application.

Product Identification

$\frac{\text{GRT}}{1}$ $\frac{5052}{2}$ $\frac{1R0}{3}$ $\frac{M}{4}$

- 1.Product Code
- 2.Core Dimensions
- 3.Inductance Code
- 4.Tolerance Code

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IRON POWER TOROID CHOKE COIL

Product Series

Type	Dimensions(mm)			
GRT-5026 (1 μH~10 μH)				
GRT-5026B (1 μH~10 μH)				
GRT-5052 (1 μH~10 μH)				
GRT-5052B (1 μH~10 μH)				
GRT-5018 (1 μH~10 μH)				
GRT-5018B (1 μH~10 μH)				
GRT-6052 (1 μH~10 μH)				
GRT-6018B (1 μH~10 μH)				

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Part No.	Inductance L(μH)	DC Resistance (Ω) Max.								Permissible DC Current(A) Max. /L (μH)Min. when current applied							
		5026	5026B	5052	5052B	5018	5018B	6052	6018B	5026	5026B	5052	5052B	5018	5018B	6052	6018B
1R0M	1.0	6.0	5.0	6.0	5.0	6.0	5.0	4.0	4.0	15/0.8	15/0.8	15/0.8	15/0.8	15/0.8	15/0.8	20/0.8	20/0.8
1R2M	1.2	6.0	5.0	6.0	5.0	6.0	5.0	4.0	4.0	15/1.0	15/1.0	15/1.0	15/1.0	15/1.0	15/1.0	20/1.0	20/1.0
1R5M	1.5	6.0	6.0	6.0	6.0	6.0	6.0	4.0	4.0	12/1.2	15/1.2	12/1.2	15/1.2	15/1.2	15/1.2	20/1.2	20/1.2
1R8M	1.8	7.0	6.0	7.0	6.0	7.0	6.0	4.0	4.0	12/1.5	12/1.5	12/1.5	12/1.5	12/1.5	12/1.5	15/1.5	15/1.5
2R0M	2.0	7.0	6.0	7.0	6.0	7.0	6.0	4.0	4.0	11/1.6	12/1.6	11/1.6	12/1.6	12/1.6	12/1.6	15/1.6	15/1.6
2R2M	2.2	7.0	7.0	7.0	7.0	7.0	7.0	4.0	4.0	11/1.7	12/1.7	11/1.7	12/1.7	12/1.7	12/1.7	15/1.7	15/1.7
2R5M	2.5	8.0	7.0	8.0	7.0	8.0	7.0	5.0	5.0	10/2.0	10/2.0	10/2.0	10/2.0	10/2.0	10/2.0	15/2.0	15/2.0
2R7M	2.7	8.0	7.0	8.0	7.0	8.0	7.0	5.0	5.0	10/2.2	10/2.2	10/2.2	10/2.2	10/2.2	10/2.2	12/2.2	12/2.2
3R0M	3.0	8.0	7.0	8.0	7.0	8.0	7.0	5.0	5.0	9/2.4	10/2.4	9/2.4	10/2.4	10/2.4	10/2.4	12/2.4	12/2.4
3R3M	3.3	8.0	7.0	8.0	7.0	8.0	7.0	5.0	5.0	9/2.7	9/2.7	9/2.7	9/2.7	9/2.7	9/2.7	12/2.7	12/2.7
3R5M	3.5	9.0	8.0	9.0	8.0	9.0	8.0	5.0	5.0	8/2.8	9/2.8	8/2.8	9/2.8	9/2.8	9/2.8	12/2.8	12/2.8
3R9M	3.9	9.0	8.0	9.0	8.0	9.0	8.0	5.0	5.0	8/3.0	9/3.3	8/3.0	9/3.3	9/3.3	9/3.3	10/3.0	10/3.0
4R0M	4.0	9.0	8.0	9.0	8.0	9.0	8.0	5.0	5.0	7/3.2	8/3.2	7/3.2	8/3.2	8/3.2	8/3.2	10/3.2	10/3.2
4R5M	4.5	9.0	9.0	9.0	9.0	9.0	9.0	5.0	5.0	7/3.6	8/3.6	7/3.6	8/3.6	8/3.6	8/3.6	10/3.6	10/3.6
4R7M	4.7	10.0	9.0	10.0	9.0	10.0	9.0	6.0	6.0	6/3.8	8/3.8	6/3.8	8/3.8	8/3.8	8/3.8	9/3.8	9/3.8
5R0M	5.0	10.0	9.0	10.0	9.0	10.0	9.0	6.0	6.0	6/4.0	7/4.0	6/4.0	7/4.0	7/4.0	7/4.0	9/4.0	9/4.0
5R5M	5.5	10.0	9.0	10.0	9.0	10.0	9.0	6.0	6.0	5/4.4	7/4.4	5/4.4	7/4.4	7/4.4	7/4.4	8/4.4	8/4.4
6R0M	6.0	10.0	9.0	10.0	9.0	10.0	9.0	6.0	6.0	5/4.8	7/4.8	5/4.8	7/4.8	7/4.8	7/4.8	8/4.8	8/4.8
6R5M	6.5	11.0	9.0	11.0	9.0	11.0	9.0	6.0	6.0	5/5.5	6/5.2	5/5.5	6/5.2	6/5.2	6/5.2	8/5.2	8/5.2
7R0M	7.0	11.0	10.0	11.0	10.0	11.0	10.0	6.0	6.0	4/5.6	6/5.6	4/5.6	6/5.6	6/5.6	6/5.6	7/5.6	7/5.6
7R5M	7.5	11.0	10.0	11.0	10.0	11.0	10.0	6.0	6.0	4/6.1	5/6.1	4/6.1	5/6.1	5/6.1	5/6.1	7/6.1	7/6.1
8R0M	8.0	12.0	10.0	12.0	10.0	12.0	10.0	7.0	7.0	3/4.4	5/6.4	3/4.4	5/6.4	5/6.4	5/6.4	7/6.4	7/6.4
8R5M	8.5	12.0	11.0	12.0	11.0	12.0	11.0	7.0	7.0	3/6.8	4/6.8	3/6.8	4/6.8	4/6.8	4/6.8	6/6.8	6/6.8
9R0M	9.0	12.0	11.0	12.0	11.0	12.0	11.0	7.0	7.0	3/7.2	4/7.2	3/7.2	4/7.2	4/7.2	4/7.2	6/7.2	6/7.2
9R5M	9.5	12.0	12.0	12.0	12.0	12.0	12.0	7.0	7.0	2/7.6	3/7.6	2/7.6	3/7.6	3/7.6	3/7.6	6/7.6	6/7.6
100M	10	12.0	12.0	12.0	12.0	12.0	12.0	7.0	7.0	2/8.0	3/8.0	2/8.0	3/8.0	3/8.0	3/8.0	6/8.0	6/8.0

- Measuring frequency of inductance
GRT 5026 Series:1KHz
GRT 5052/6052 Series:100KHz
GRT 5018/6018:300KHz
- All specifications are subject to change without notice.
- special specifications are available upon request.