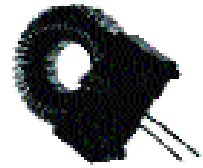


# TOROIDAL POWER INDUCTORS

## AIGT-10, -20 SERIES



### STANDARD SPECIFICATIONS

Part Number <sup>4</sup> AIGT-10	L <sup>1,2</sup> μH	I <sub>DC</sub> A (MAX)	DCR Ω (MAX)	PHYSICAL CHARACTERISTICS <sup>5</sup>							
				Lead Diameter	N (MAX)	A	B	C	D	E	F
-5-2.5	5	2.5	0.03	0.02 (0.5)	0.25 (6.4)	0.34 (8.6)	0.58 (14.7)	0.64 (16.3)	0.29 (7.4)	0.11 (2.8)	0.25 (6.4)
-25-2.5	25	2.5	0.04	0.02 (0.5)	0.25 (6.4)	0.34 (8.6)	0.58 (14.7)	0.64 (16.3)	0.29 (7.4)	0.11 (2.8)	0.25 (6.4)
-50-2.5	50	2.5	0.07	0.02 (0.5)	0.33 (8.4)	0.45 (11.4)	0.65 (16.5)	0.73 (18.5)	0.32 (8.1)	0.15 (3.8)	0.25 (6.4)
-100-2.5	100	2.5	0.10	0.02 (0.5)	0.34 (8.6)	0.45 (11.4)	0.83 (21.1)	0.94 (23.9)	0.41 (10.4)	0.15 (3.8)	0.25 (6.4)
-35-2.5	35	2.5	0.04	0.02 (0.5)	0.34 (8.6)	0.45 (11.4)	0.65 (16.5)	0.73 (18.5)	0.32 (8.1)	0.15 (3.8)	0.25 (6.4)
-70-3.0	70	3.0	0.05	0.02 (0.5)	0.36 (9.1)	0.45 (11.4)	0.83 (21.1)	0.96 (24.4)	0.41 (10.4)	0.15 (3.8)	0.25 (6.4)
-145-3.0	145	3.0	0.09	0.02 (0.5)	0.47 (11.9)	0.60 (15.2)	0.95 (24.1)	1.06 (26.9)	0.47 (11.9)	0.22 (5.6)	0.25 (6.4)
-285-3.0	285	3.0	0.14	0.02 (0.5)	0.55 (14.0)	0.70 (17.8)	1.25 (31.8)	1.30 (33.0)	0.62 (15.7)	0.25 (6.4)	0.25 (6.4)
-100-3.5	100	3.5	0.04	0.03 (0.8)	0.50 (12.7)	0.60 (15.2)	0.95 (24.1)	1.06 (26.9)	0.47 (11.9)	0.22 (5.6)	0.25 (6.4)
-165-4.0	165	4.0	0.07	0.03 (0.8)	0.56 (14.2)	0.70 (15.2)	1.25 (31.8)	1.33 (33.8)	0.62 (15.7)	0.25 (6.4)	0.25 (6.4)
-40-4.0	40	4.0	0.03	0.03 (0.8)	0.38 (9.7)	0.45 (11.4)	0.83 (21.1)	0.94 (23.9)	0.41 (10.4)	0.15 (3.8)	0.25 (6.4)
-100-5.0	100	5.0	0.04	0.04 (1.0)	0.60 (15.2)	0.70 (17.8)	1.25 (31.8)	1.37 (34.8)	0.62 (15.7)	0.25 (6.4)	0.25 (6.4)
-55-5.0	55	5.0	0.02	0.04 (1.0)	0.51 (13.0)	0.60 (15.2)	0.95 (24.1)	1.07 (27.2)	0.47 (11.9)	0.22 (5.6)	0.25 (6.4)
-55-7.0	55	7.0	0.02	0.05 (1.27)	0.61 (15.5)	0.70 (17.8)	1.25 (31.8)	1.44 (36.6)	0.62 (15.7)	0.25 (6.4)	0.25 (6.4)
-250-10.0	250	10.0	0.20	0.02 (0.5)	0.34 (8.6)	0.45 (11.4)	0.83 (21.1)	0.96 (24.4)	0.41 (10.4)	0.15 (3.8)	0.25 (6.4)

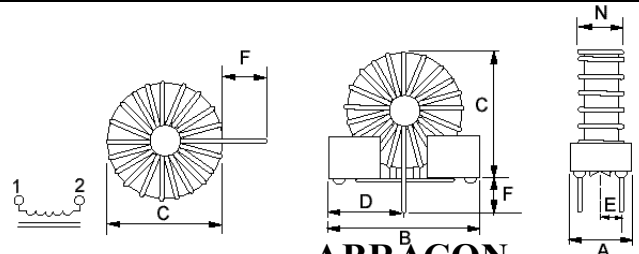
  

Part Number <sup>4</sup> AIGT-20	L μH	I <sub>DC</sub> A (MAX)	DCR Ω (MAX)	PHYSICAL CHARACTERISTICS <sup>5</sup>							
				Lead Diameter	N (MAX)	A	B	C	D	2E	F
-20-1.0	20	1.0	0.062	0.02 (0.5)	0.32 (8.1)	-	-	0.35 (8.9)	-	0.50 (12.7)	0.22 (5.6)
-20-2.0	20	2.0	0.029	0.02 (0.5)	0.46 (11.7)	-	-	0.50 (12.7)	-	0.50 (12.7)	0.24 (6.1)
-20-5.0	20	5.0	0.020	0.03 (0.8)	0.87 (22.1)	-	-	0.94 (23.9)	-	0.50 (12.7)	0.57 (14.5)
-50-1.0	50	1.0	0.061	0.02 (0.5)	0.56 (14.2)	-	-	0.60 (15.2)	-	0.50 (12.7)	0.30 (7.6)
-50-2.0	50	2.0	0.025	0.03 (0.8)	0.78 (19.8)	-	-	0.85 (21.6)	-	0.50 (12.7)	0.45 (11.4)
-50-5.0	50	5.0	0.021	0.04 (1.0)	1.21 (30.7)	-	-	1.25 (31.8)	-	0.50 (12.7)	0.67 (17.0)
-50-7.0	50	7.0	0.013	0.05 (1.27)	1.39 (35.3)	-	-	1.50 (38.1)	-	0.50 (12.7)	0.57 (14.5)
-50-10.0	50	10.0	0.016	0.05 (1.27)	1.69 (42.9)	-	-	1.80 (45.7)	-	0.50 (12.7)	0.70 (17.8)
-100-1.0	100	1.0	0.085	0.02 (0.5)	0.58 (14.7)	-	-	0.62 (15.7)	-	0.50 (12.7)	0.42 (10.7)
-100-2.0	100	2.0	0.040	0.03 (0.8)	0.88 (22.4)	-	-	0.95 (24.1)	-	0.50 (12.7)	0.60 (15.2)
-100-5.0	100	5.0	0.028	0.04 (1.0)	1.42 (36.1)	-	-	1.50 (38.1)	-	0.50 (12.7)	0.57 (14.5)
-150-5.0	150	5.0	0.042	0.04 (1.0)	1.67 (42.4)	-	-	1.75 (24.5)	-	0.50 (12.7)	0.68 (17.3)
-250-1.0	250	1.0	0.168	0.02 (0.5)	0.76 (19.3)	-	-	0.80 (20.3)	-	0.50 (12.7)	0.45 (11.4)
-250-2.0	250	2.0	0.070	0.03 (0.8)	1.18 (30.0)	-	-	1.25 (31.8)	-	0.50 (12.7)	0.67 (17.0)
-500-1.0	500	1.0	0.276	0.02 (0.5)	0.88 (22.4)	-	-	0.92 (23.4)	-	0.50 (12.7)	0.57 (14.5)
-500-2.0	500	2.0	0.147	0.02 (0.5)	1.40 (35.6)	-	-	1.45 (36.8)	-	0.50 (12.7)	0.55 (14.0)

#### NOTES:

- Inductance (L) measured @ 20KHz, 100mVRMS @ rated I<sub>DC</sub>
- Inductance (L) tolerance: @ ± 20%
- Operating temperature: -30°C to 130°C
- Mounting: Add "V", "H" or "B" as suffix
- Dimensions: inches / mm; see spec sheet for tolerance limits
- Specifications subject to change without notice

#### PHYSICAL CHARACTERISTICS<sup>5</sup>



**ABRACON IS  
ISO 9001 / QS 9000  
CERTIFIED**

29 Journey • Aliso Viejo, CA 92656 • USA  
(949) 448-7070 • Fax: (949) 448-8484  
E-MAIL: [abinfo@abracon.com](mailto:abinfo@abracon.com) • INTERNET ADDRESS: [www.abracon.com](http://www.abracon.com)

