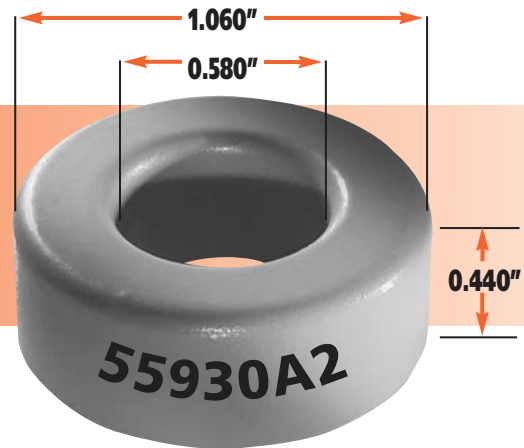


# 26.9 mm O.D.

## 14.7 mm I.D. x 11.2 mm HT.



### Core Dimensions (after finish)

O.D. (max.)	27.7 mm	1.090 in
I.D. (min.)	14.10 mm	0.555 in
HT. (max.)	11.94 mm	0.470 in

Permeability ( $\mu$ )	$A_L \pm 8\%$	Part Number			Nominal DC Resistance Ohms/mH*	B/NI Gauss per Amp. Turn*
		MPP	High Flux	Kool M $\mu$		
14	18	55933	58933	-	0.457	2.77 (<1500 gauss)
26	32	55932	58932	77932	0.257	5.15 (<1500 gauss)
60	75	55894	58894	77894	0.110	11.9 (<1500 gauss)
75	94	-	-	77935	-	-
90	113	-	-	77934	-	-
125	157	55930	58930	77930	0.0524	24.8 (<1500 gauss)
160	201	55928	58928	-	0.0409	31.7 (<1500 gauss)
200	251	55927	-	-	0.0327	39.6 (<1500 gauss)
300	377	55925	-	-	0.0218	59.4 (<300 gauss)
550	740	55926	-	-	0.0111	109 (<50 gauss)

### Physical Characteristics

Window Area	1.56 cm <sup>2</sup>	308,000 c.mils
Cross Section	0.654 cm <sup>2</sup>	0.1014 in <sup>2</sup>
Path Length	6.35 cm	2.50 in
Volume	4.15 cm <sup>3</sup>	0.254 in <sup>3</sup>
Weight- MPP	35.8 gm	0.080 lb
Weight- High Flux	33.8 gm	0.075 lb
Weight- Kool M $\mu$	25.5 gm	0.056 lb
Area Product	1.020 cm <sup>4</sup>	0.0245 in <sup>4</sup>

### Winding Turn Length

WINDING FACTOR	LENGTH/TURN	
100% (Unity)	5.23 cm	0.1714 ft
60%	4.66 cm	0.1526 ft
40%	4.10 cm	0.1344 ft
20%	3.85 cm	0.1263 ft
0%	3.76 cm	0.1233 ft

### Wound Coil Dimensions

Max. O.D. (u.w.f.)	37.3 mm	1.468 in
Max. HT. (u.w.f.)	24.0 mm	0.944 in

### Surface Area

Uwound Core	24.7 cm <sup>2</sup>	3.83 in <sup>2</sup>
40% Winding Factor	33.8 cm <sup>2</sup>	5.24 in <sup>2</sup>

AWG Wire Size	Turns (u.w.f.)	Rdc (Ohms, $\Omega$ ) (u.w.f.)	Single Layer Turns	Single Layer Rdc. (Ohms, $\Omega$ )
9	21	0.00291	11	0.00107
10	27	0.00459	13	0.0016
11	34	0.00726	15	0.00233
12	42	0.01148	17	0.00333
13	53	0.01805	20	0.00494
14	66	0.0284	22	0.00685
15	82	0.0447	25	0.0098
16	103	0.0707	29	0.0144
17	127	0.1102	33	0.0203
18	159	0.1739	37	0.0291
19	197	0.272	42	0.0416
20	246	0.428	47	0.0587
21	308	0.676	53	0.0835
22	380	1.056	60	0.12
23	474	1.649	66	0.165
24	587	2.58	75	0.237
25	725	4.02	84	0.335
26	906	6.37	94	0.476
27	1141	10.05	105	0.744
28	1400	15.67	117	0.942

\* These values are only applicable for MPP Cores.