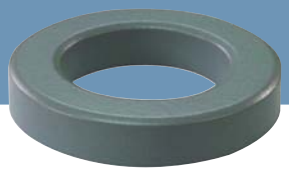
OD 039

ID 2.24mm
HT 2.54mm



Core dimensions and Physical specifications

Before Coating			After Coating			Physical specifications			
						Cross Section	Path Length	Window Area	Volume
OD, max	ID, min	HT, max	OD, max	ID, min	HT, max	(Ae)	(le)	(Wa)	(V)
3.94mm	2.24mm	2.54mm	4.32mm	1.98mm	2.97mm	0.0211cm^2	0.942cm	0.0308cm^2	0.0199cm^3
0.155in	0.088in	0.1in	0.17in	0.078in	0.117in	0.003in^2	0.371in	6000cmil	0.001in^3

Core Part Number

Permeability(μ)	A_L (nH/N^2)	Part Number				DC Resistance(Rdc) per Inductance(Ω /mH)
		MPP	High Flux	Sendust	SFlux	
26	-	-	-	-	-	15.7623
60	17	OR039M060	OR039H060	OR039S060	OR039F060	6.8303
75	21	-	-	OR039S075	-	5.4643
90	25	-	-	OR039S090	OR039F090	4.5536
125	35	OR039M125	OR039H125	OR039S125	-	3.2786
147	41	OR039M147	-	-	-	2.7879
160	45	OR039M160	-	-	-	2.5614
173	-	-	-	-	-	2.3689
200	-	-	-	-	-	2.0491

Winding Information

AWG wire		Single layer	
No.	Dia.(cm)	Turns	Rdc, Ω
28	0.037	13	0.0249
29	0.033	15	0.0357
30	0.030	17	0.0518
31	0.027	20	0.0768
32	0.024	22	0.1040
33	0.022	25	0.1510

AWG wire		Single layer	
No.	Dia.(cm)	Turns	Rdc, Ω
34	0.019	29	0.2220
35	0.017	33	0.3200
36	0.015	37	0.4500
37	0.014	41	0.6150
38	0.012	46	0.8730
39	0.011	53	1.3200

AWG wire		Single layer	
No.	Dia.(cm)	Turns	Rdc, Ω
40	0.010	61	1.9100
41	0.009	68	2.6300
42	0.008	78	3.7900
43	0.007	87	5.4600
44	0.006	94	7.1300
45	0.005	110	10.800

A_L value vs. DC Bias characteristics