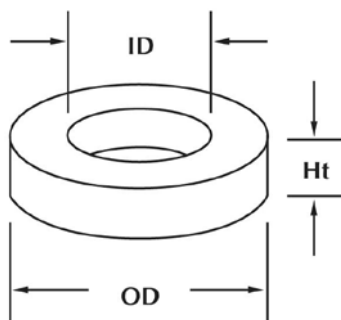


1. General material properties

Material Mix no.	Magnetic Permeability (μ i)	Temperature Stability (ppm / $^{\circ}$ C)	Resonant Circuits Frequency Band (MHz)	Color Code
-0	1 (non magnetic)	0	50 - 350	Tan
-2	10	95	0.25 - 20	Red/Clear
-3	35	370	0.02 - 1	Gray/Clear
-6	8	35	3 - 40	Yellow/Clear
-7	9	30	1 - 25	White/Clear
-10	6	150	15 - 100	Black/Clear
-12	<u>OBSOLETE TYPE, SEE NEW MATERIAL MIX -17</u>			Green/White
-17	4	50	20 - 200	Blue/Yellow

2. Dimensions



Part number	OD (mm / inch)	ID (mm / inch)	Ht (mm / inch)
T12-*	3.18 / 0.125	1.57 / 0.062	1.27 / 0.050
T20-*	5.08 / 0.200	2.24 / 0.088	1.78 / 0.070
T25-*	6.48 / 0.255	3.05 / 0.120	2.44 / 0.096
T30-*	7.80 / 0.307	3.84 / 0.151	3.25 / 0.128
T37-*	9.53 / 0.375	5.21 / 0.205	3.25 / 0.128
T44-*	11.2 / 0.440	5.82 / 0.229	4.04 / 0.159
T50-*	12.7 / 0.500	7.70 / 0.303	4.83 / 0.190
T68-*	17.5 / 0.690	9.40 / 0.370	4.83 / 0.190
T80-*	20.2 / 0.795	12.6 / 0.695	6.35 / 0.250
T94-*	23.9 / 0.942	14.2 / 0.560	7.92 / 0.312
T106-*	26.9 / 1.060	14.5 / 0.570	11.1 / 0.437
T130-*	33.0 / 1.300	19.8 / 0.780	11.1 / 0.437
T157-*	39.9 / 1.570	24.1 / 0.950	14.5 / 0.570
T184-*	46.7 / 1.840	24.1 / 0.950	18.0 / 0.710
T200-*	50.8 / 2.000	31.8 / 1.250	14.0 / 0.550
T200-2B	50.8 / 2.000	31.8 / 1.250	25.4 / 1.000
T300-2	77.2 / 3.040	49.0 / 1.930	12.7 / 0.500
T400-2	102 / 4.000	57.2 / 2.250	16.5 / 0.650

3. Inductance rating

Material Mix	-0	-2	-3	-6	-7	-10	-17
Part number	(μH for 100 turns)						
T12-				17.0			
T20-		25.0		22.0			
T25-		34.0		27.0		19.0	12.0
T30-	6.0	43.0	140.0	36.0		25.0	16.0
T37-	5.0	40.0	120.0	30.0	32.0	26.0	15.0
T44-	6.5	52.0	180.0	42.0	43.0	33.0	18.5
T50-	6.4	49.0	175.0	40.0		31.0	18.0
T68-	7.5	57.0	195.0	47.0		32.0	21.0
T80-	8.5	55.0	180.0	45.0		32.0	22.0
T94-	10.6	84.0	248.0	70.0		58.0	29.0
T106-	19.0	135.0	450.0	116.0			51.0
T130-	15.0	110.0		96.0			40.0
T157-	19.0	140.0		115.0			53.0
T184-		240.0		195.0			
T200-		120.0		100.0			
T200-2B		218.0					
T300-		114.0					
T400-		180.0					

4. Single layer winding table

Wire size (AWG)			40	38	36	34	32	30	28	26	24	22	20	18	16	14	12	10	
Wire size Ø (mm)			.080	.100	.127	.160	.202	.255	.321	.405	.511	.644	.812	1.02	1.29	1.63	2.05	2.59	
Resistivity (mΩ/cm)			35.4	21.3	13.6	8.57	5.32	3.40	2.13	1.34	.842	.530	.330	.210	.132	.083	.052	.033	
Part number	MTL cm/turn	Surface area (cm ²)	NUMBER OF TURNS																
			43	33	26	20	15	11	8	5	3	1							
T12-*	.564	.445	43	33	26	20	15	11	8	5	3	1							
T20-*	.956	1.16	57	44	34	27	20	15	11	8	5	3	2	1					
T25-*	1.19	1.88	84	65	52	41	31	24	18	14	10	7	5	3	1				
T30-*	1.44	2.79	110	86	69	54	42	33	25	20	15	11	7	5	3	1			
T37-*	1.53	3.77	156	122	98	78	60	48	37	29	22	17	12	9	6	4	2	1	
T44-*	1.84	5.23	177	138	111	88	69	55	43	34	26	20	15	11	7	5	3	1	
T50-*	2.01	6.86	239	187	151	121	94	76	59	47	37	28	22	16	12	8	6	3	
T68-*	2.47	11.2	296	232	187	150	117	94	74	59	46	36	28	21	16	12	8	5	
T80-*	2.80	15.5	402	316	255	204	161	129	103	82	64	51	39	30	23	17	13	9	
T94-*	3.44	22.0	458	359	290	233	183	148	117	94	74	58	45	35	27	21	15	11	
T106-*	4.49	31.0	462	362	293	235	185	149	118	95	74	59	46	36	27	21	15	11	
T130-*	4.75	42.2	640	503	406	326	257	208	165	133	105	83	65	51	40	31	23	17	
T157-*	5.89	63.2	784	616	499	401	316	256	204	164	129	103	81	64	50	39	30	23	
T184-*	7.54	89.2	780	613	496	398	314	254	202	163	129	102	81	63	50	38	29	22	
T200-*	6.50	90.9	1035	814	658	529	418	338	270	217	172	137	108	86	67	53	41	31	
T200-2B	8.78	120	1035	814	658	529	418	338	270	217	172	137	108	86	67	53	41	31	
T300-2	7.95	173	1612	1268	1027	826	653	529	422	341	271	216	171	136	108	85	66	52	
T400-2	11.1	301	1884	1482	1200	966	763	619	494	399	317	254	201	160	126	100	78	61	