

Toroids

26.9 mm – 46.9 mm



SIZE (mm)	ORDERING CODE	COATING			NOMINAL A _L (MH/1000T)					
		V	Y	Z	R ± 25%	P ± 25%	F ± 20%	T ± 25%	J ± 20%	W ± 30%
26.9 x 14.2 x 12.2	O_42712TC	✓		✓	3,610	3,920	4,710		7,650	15,300
29 x 19 x 7.43	O_42908TC	✓		✓	1,450	1,585	1,902		3,170	6,340
29 x 19 x 15.2	O_42915TC			✓	2,960	3,222	3,868		6,447	12,894
30.8 x 19.1 x 12.7	O_43113TC			✓	2,850	3,100	3,720		6,200	12,400
32 x 15 x 4.5	O_43205TC			✓	1,480	1,610	1,930		3,220	6,440
36 x 23 x 10	O_43610TC			✓	2,030	2,210	2,726		4,543	9,085
36 x 23 x 15	O_43615TC			✓	3,100	3,366	4,040		6,736	13,400
36 x 23 x 20	O_43620TC			✓					9,086	
38.1 x 19 x 6.35	O_43806TC			✓	2,020	2,200	2,640		4,400	8,800
38.1 x 19 x 12.7	O_43813TC			✓	3,850	4,185	5,020		8,365	16,700
38.1 x 19 x 25.4	O_43825TC			✓	8,060	8,762	10,040		16,730	33,400
41.8 x 26.2 x 18	O_44015TC			✓	3,860	4,200	5,040	5,040	8,408	16,816
44.3 x 19 x 15.9	O_44416TC			✓	5,360	5,830	7,000		11,600	23,200
44.3 x 19 x 19.1	O_44419TC			✓		7,970	9,550			
46.9 x 27 x 15	O_44715TC			✓	3,700	4,030	4,840		8,075	16,100

Nominal A_L values for L perm are based on uncoated toroids. For specific values of any core, see the datasheet.

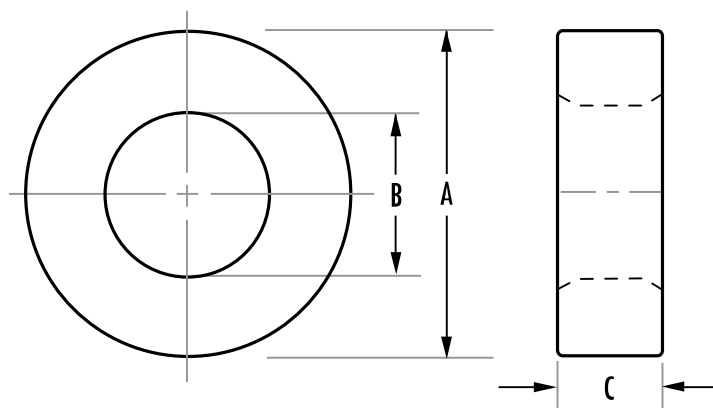
HOW TO ORDER

O J 4 14 06 TC

Coating code ←
 Ferrite core material ←
 Used for all ferrite types ←
 Approximate diameter in mm ←
 Approximate height in mm ←
 Geometry code ←

COATING CODE

O – Bare core
 V – Nylon coating
 Y – Parylene coating
 Z – Epoxy coating





SIZE (mm)	ORDERING CODE	MAGNETIC DATA						HARDWARE	
		I _e (mm)	A _e (mm ²)	V _e (mm ³)	Window Area (cm ²)	WaAc (cm ⁴)	Weight (grams per piece)	Headers & Mounts	Cups
26.9 x 14.2 x 12.2	O_42712TC	60.2	73.2	4,410	1.57	1.16	22.5		
29 x 19 x 7.43	O_42908TC	73.2	37.0	2,679	2.84	1.05	12.9	✓	
29 x 19 x 15.2	O_42915TC	73.2	74.9	5,481	2.84	2.13	27.6	✓	
30.8 x 19.1 x 12.7	O_43113TC	75.4	73.6	5,547	2.83	2.11	29.3	✓	
32 x 15 x 4.5	O_43205TC	67.2	36.4	2,451	0.34	0.61	12.9	✓	
36 x 23 x 10	O_43610TC	89.7	63.9	5,731	4.15	2.65	29.4	✓	
36 x 23 x 15	O_43615TC	89.6	95.9	8,596	2.85	3.98	44	✓	
36 x 23 x 20	O_43620TC	89.6	128	11,461	4.15	5.31	54		
38.1 x 19 x 6.35	O_43806TC	82.9	58.3	4,826	2.85	1.66	26.4	✓	
38.1 x 19 x 12.7	O_43813TC	82.9	115.6	9,652	2.85	3.28	51.7	✓	
38.1 x 19 x 25.4	O_43825TC	82.8	233	19,304	2.85	6.56	103.4	✓	
41.8 x 26.2 x 18	O_44015TC	103	138	14,205	5.39	7.44	68.9	✓	
44.3 x 19 x 15.9	O_44416TC	88.0	187	16,559	2.85	5.33	80.8	✓	
44.3 x 19 x 19.1	O_44419TC	88.0	228	20,146	2.85	6.50	107.9	✓	
46.9 x 27 x 15	O_44715TC	110.4	145.5	16,063	5.72	8.34	84.0	✓	

Refer to page 58 for hardware information.

SIZE (mm)	ORDERING CODE	BARE NOMINAL DIMENSIONS (mm)			BARE LIMITING DIMENSIONS (mm)		
		OD (A)	ID (B)	HT (C)	OD (A) max	ID (B) min	HT (C) max
26.9 x 14.2 x 12.2	O_42712TC	26.9	14.2	12.2	27.63	13.39	12.62
29 x 19 x 7.43	O_42908TC	29.0	19.0	7.43	29.52	18.49	7.68
29 x 19 x 15.2	O_42915TC	29.0	19.0	15.2	29.52	18.49	15.63
30.8 x 19.1 x 12.7	O_43113TC	30.8	19.1	12.7	31.5	18.49	13.26
32 x 15 x 4.5	O_43205TC	32.0	15.0	4.5	33.28	14.4	4.68
36 x 23 x 10	O_43610TC	36.0	23.0	10.0	36.7	22.5	10.27
36 x 23 x 15	O_43615TC	36.0	23.0	15.0	36.7	22.5	15.24
36 x 23 x 20	O_43620TC	36.0	23.0	20.0	36.7	22.5	20.56
38.1 x 19 x 6.35	O_43806TC	38.1	19.0	6.35	38.87	18.28	6.53
38.1 x 19 x 12.7	O_43813TC	38.1	19.0	12.7	38.87	18.28	12.96
38.1 x 19 x 25.4	O_43825TC	38.1	19.0	25.4	38.87	18.28	25.91
41.8 x 26.2 x 18	O_44015TC	41.8	26.2	18.0	42.8	25.6	18.4
44.3 x 19 x 15.9	O_44416TC	44.3	19.0	15.7	45.22	18.28	16.26
44.3 x 19 x 19.1	O_44419TC	44.3	19.0	19.1	45.22	18.28	19.66
46.9 x 27 x 15	O_44715TC	46.9	27.0	15.0	47.65	26.23	15.27

J Material

A medium perm general-purpose material. Well suited both for EMI/RFI filtering and broadband transformers.

Initial Perm (25°C; ≤ 10 kHz) **5,000 $\pm$ 20%**
Saturation Flux Density (4,300 G at 15 Oe, 25°C) 430 mT, 11.9 A-T/cm
Curie Temperature 145°C

