

SERIES: SOSTC | DESCRIPTION: OUTPUT SMOOTHING TOROIDAL CHOKES

FEATURES

- Using amorphous core
- Smaller size & lighter weight
- Lower core loss at higher frequencies
- Vertical PCB mount



MODEL	Rated Current I_{dc} [A]	Inductance [μ H]	DCR max [m Ω]	Wire Diameter $\varnothing$ [mm]	Dimensions (D x H) max [mm]
SOSTC-01-1001	1	1000	360	0.5	23 x 17
SOSTC-01-1501		1500	440	0.5	23 x 17
SOSTC-01-2001		2000	460	0.5	28 x 18
SOSTC-02-0501	2	500	180	0.6	23 x 17
SOSTC-02-0751		750	220	0.6	23 x 17
SOSTC-02-1001		1000	180	0.7	29 x 18
SOSTC-02-1501		1500	230	0.7	33 x 19
SOSTC-02-2001	3	2000	290	0.7	33 x 19
SOSTC-03-0301		300	85	0.8	24 x 18
SOSTC-03-0501		500	90	0.85	29 x 18
SOSTC-03-0751		750	115	0.85	33 x 19
SOSTC-03-1001		1000	140	0.85	33 x 19
SOSTC-03-1501	5	1500	190	0.85	42 x 20
SOSTC-05-0101		100	35	1.0	24 x 18
SOSTC-05-0151		150	30	1.1	29 x 19
SOSTC-05-0201		200	40	1.1	29 x 19
SOSTC-05-0301		300	55	1.1	34 x 19
SOSTC-05-0501		500	70	1.1	43 x 21
SOSTC-05-0751		750	90	1.1	43 x 21
SOSTC-05-1001		1000	115	1.1	43 x 22
SOSTC-08-0051	8	50	14	0.9 x 2	29 x 19
SOSTC-08-0101		100	17	1.4	34 x 20
SOSTC-08-0151		150	30	0.9 x 2	34 x 20
SOSTC-08-0201		200	27	1.4	43 x 21
SOSTC-08-0301		300	35	1.4	43 x 21
SOSTC-08-0501		500	50	1.4	48 x 28
SOSTC-08-0751		750	70	1.4	56 x 28

SOSTC-10-0031	10	30	9	1.0 x 2	29 x 19
SOSTC-10-0051		50	10	1.1 x 2	34 x 20
SOSTC-10-0101		100	15	1.1 x 2	34 x 20
SOSTC-10-0151		150	18	1.1 x 2	43 x 21
SOSTC-10-0201		200	25	1.1 x 2	43 x 21
SOSTC-10-0301		300	32	1.1 x 2	48 x 28
SOSTC-10-0501		500	45	1.1 x 2	56 x 29
SOSTC-13-0051	13	50	9	1.0 x 3	34 x 20
SOSTC-13-0101		100	14	1.0 x 3	43 x 21
SOSTC-13-0151		150	19	1.0 x 3	44 x 23
SOSTC-13-0201		200	22	1.0 x 3	48 x 28
SOSTC-13-0301		300	30	1.0 x 3	56 x 29
SOSTC-13-0501		500	40	1.0 x 3	57 x 30
SOSTC-15-0031	15	30	7	1.0 x 3	29 x 19
SOSTC-15-0051		50	10	1.0 x 3	34 x 20
SOSTC-15-0101		100	11	1.1 x 3	43 x 21
SOSTC-15-0151		150	15	1.1 x 3	48 x 28
SOSTC-15-0201		200	20	1.1 x 3	56 x 29
SOSTC-15-0301		300	25	1.1 x 3	56 x 29
SOSTC-15-0501		500	35	1.1 x 3	57 x 37
SOSTC-20-0011	20	10	4	1.0 x 4	29 x 19
SOSTC-20-0021		20	5	1.0 x 4	34 x 20
SOSTC-20-0031		30	6	1.1 x 4	43 x 21
SOSTC-20-0051		50	7	1.1 x 4	43 x 21
SOSTC-20-0101		100	9	1.1 x 4	47 x 28
SOSTC-20-0151		150	12	1.1 x 4	56 x 28
SOSTC-20-0201		200	16	1.1 x 4	57 x 35
SOSTC-25-0011	25	10	3	1.0 x 5	34 x 20
SOSTC-25-0021		20	4	1.1 x 5	43 x 21
SOSTC-25-0031		30	5	1.1 x 5	43 x 21
SOSTC-25-0051		50	7	1.1 x 5	47 x 28
SOSTC-25-0101		100	8	1.1 x 5	56 x 28
SOSTC-25-0151		150	11	1.1 x 5	57 x 35
SOSTC-30-0011	30	10	3	1.0 x 6	34 x 20
SOSTC-30-0021		20	4	1.1 x 6	43 x 21
SOSTC-30-0031		30	4	1.1 x 6	44 x 23
SOSTC-30-0051		50	6	1.1 x 6	56 x 27
SOSTC-30-0101		100	7	1.1 x 6	57 x 35
SOSTC-40-0011	40	10	3	1.1 x 8	43 x 21
SOSTC-40-0021		20	3	1.1 x 8	47 x 28
SOSTC-40-0031		30	4	1.1 x 8	56 x 28
SOSTC-40-0051		50	5	1.1 x 8	57 x 35

Notes:

Electrical parameters measured at ambient temperature 25°C.

Inductance measured at 20 kHz.

Inductance tolerance $\pm 20\%$.

Class 1 enameled wire PEW 130°C.

PART NUMBER KEY

SOSTC - XX - XXXX

Type / Product Series

SOSTC = Signal Output Smoothing Toroidal Chokes

Rated Current (I_{dc})

01 = 1 A
10 = 10 A

Inductance *

0031 = 30 µH
0501 = 500 µH
1501 = 1500 µH

* Note: Inductance expressed by three figures. The unit is micro henry (µH). The first and second figures are significant digits, the third figure expresses the number of zeros which follow the two figures. If there is a decimal point, it is expressed by the capital letter "R" (3R8 = 3.8 µH). In that case, all figures are significant digits.

SAFETY AND COMPLIANCE

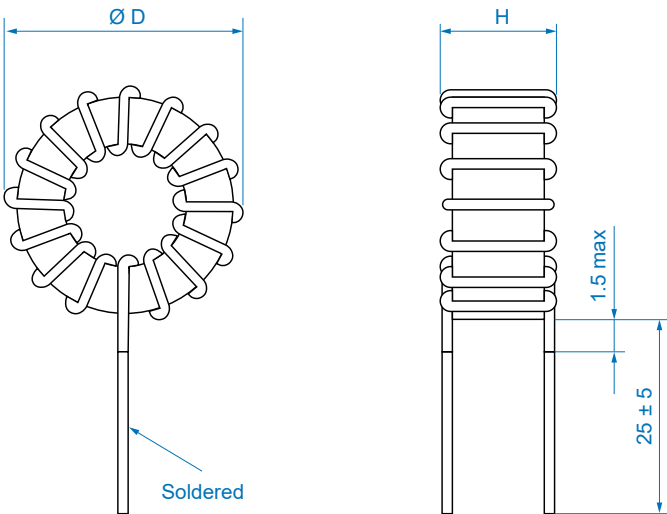
Parameter	Compliant
Safety approvals	
RoHS	Compliance with RoHS, REACH and Halogen Free

ENVIRONMENTAL

Parameter	Conditions	Min	Typ	Max	Units
Operating temperature		-40		130	°C

MECHANICAL DRAWING & DIMENSIONS

Units: mm



REVISION HISTORY

Rev.	Description	Date
1	Initial release	04/10/2026
A	Nuclear & Medical disclaimers removed	07/17/2026

TECHNICAL REVISIONS - The appearance of products, including safety agency certifications pictured on labels, may change depending on the date manufactured. Specifications are subject to change without notice.

