

SERIES: SAFTC | DESCRIPTION: ACTIVE FILTER TOROIDAL CHOKES FOR HARMONICS MITIGATION

FEATURES

- Using amorphous core
- Smaller size & lighter weight
- Lower core loss at higher frequencies
- Vertical PCB mount
- Active filter for harmonic counter measure



MODEL	Rated Current	Peak Current	Inductance	DCR	Wire Diameter	Dimensions
	I_{DC} [A]	[A]	[μ H]	max [m Ω]	\varnothing [mm]	(D x H) max [mm]
SAFTC-02-1001			1000	200	0.7	28 x 19
SAFTC-02-1501	2	2.8	1500	290	0.7	33 x 19
SAFTC-02-2001			2000	340	0.7	33 x 25
SAFTC-03-0501			500	100	0.85	33 x 19
SAFTC-03-0751	3	4.2	750	140	0.85	33 x 19
SAFTC-03-1001			1000	165	0.85	33 x 25
SAFTC-03-1501			1500	220	0.85	38 x 26
SAFTC-05-0501			500	80	1.1	33 x 25
SAFTC-05-0751	5	7.2	750	100	1.1	38 x 27
SAFTC-05-1001			1000	110	1.1	47 x 28
SAFTC-05-1501			1500	140	1.1	47 x 28
SAFTC-08-0501			500	50	1.4	48 x 28
SAFTC-08-0751	8	11.4	750	70	1.4	57 x 28
SAFTC-08-1001			1000	90	1.4	57 x 35
SAFTC-10-0501			500	43	1.1 x 2	57 x 35
SAFTC-10-0751	10	14.2	750	65	1.1 x 2	57 x 42
SAFTC-10-1001			1000	67	1.1 x 2	70 x 35
SAFTC-15-0301	15	21.2	300	30	1.1 x 3	57 x 35
SAFTC-15-0501			500	35	1.1 x 3	70 x 36
SAFTC-20-0301	20	28.4	300	21	1.1 x 4	70 x 36
SAFTC-20-0501			500	30	1.1 x 4	74 x 44
SAFTC-25-0301	25	35.4	300	18	1.1 x 5	74 x 44

Notes:

Electrical parameters measured at ambient temperature 25°C.

Inductance measured at 20 kHz.

Inductance tolerance ± 20 %.

Class 1 enameled wire PEW 130°C.

PART NUMBER KEY

SAFTC - XX - XXXX

Type / Product Series

SAFTC = Signal Active Filter Toroidal Chokes

Rated Current (I_{dc})

03 = 3 A

15 = 15 A

Inductance *

0751 = 750 μ H

1501 = 1500 μ H

* Note: Inductance expressed by three figures. The unit is micro henry (μ H). 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 μ H). In that case, all figures are significant digits.

SAFETY AND COMPLIANCE

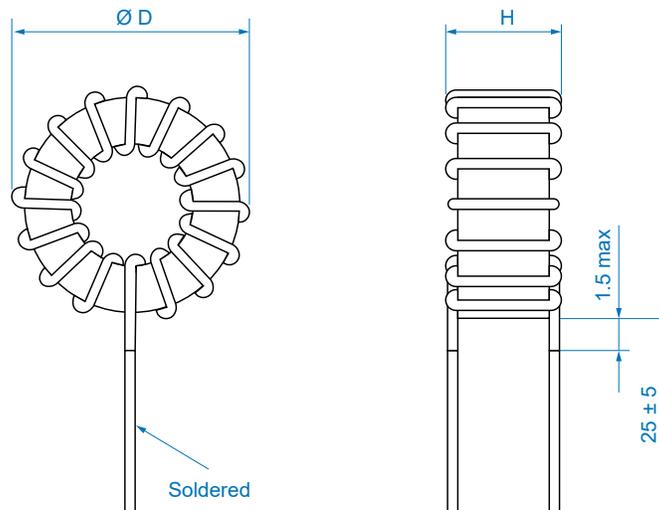
Parameter	Compliant
Safety approvals	
RoHS	Compliance with RoHS, REACH and Halogen Free

ENVIRONMENTAL

Parameter	Conditions	Min	Typ	Max	Units
Operating temperature		-40		130	$^{\circ}$ C

MECHANICAL DRAWING & DIMENSIONS

Units: mm



REVISION HISTORY

Rev.	Description	Date
1	Initial release	03/03/2026
A		

NUCLEAR APPLICATIONS - Products are not designed or intended for use as critical components in equipment used in hazardous environments, or nuclear control systems.

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.



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