

SERIES: SWRT | DESCRIPTION: HIGH PERFORMANCE CURRENT INDUCTORS

FEATURES

- Inductance range 3.3 to 100 μH
- Current range 9 A to 89 A, 30% max roll-off
- Flat wire for low DC, AC resistance & proximity loss
- Shielded construction for reduced EMI
- Operating temperature -40°C to $+130^{\circ}\text{C}$



MODEL	Inductance	ISAT	IRMS	DCR	Dimension H
	$\pm 20\%$ [μH]	[A]	[A]	max [m Ω]	± 0.2 [mm]
SWRT1095-3R3M	3.3	89.0	31	2.4	0.8
SWRT1095-4R7M	4.7	65.0	31	2.4	0.8
SWRT1095-6R8M	6.8	46.0	31	2.4	0.8
SWRT1095-8R2M	8.2	39.4	31	2.4	0.8
SWRT1095-100M	10.0	34.1	26	3.1	0.7
SWRT1095-120M	12.0	32.0	26	3.1	0.7
SWRT1095-150M	15.0	28.1	25	3.5	0.7
SWRT1095-180M	18.0	25.6	22	4.6	0.6
SWRT1095-220M	22.0	23.0	19	6.4	0.5
SWRT1095-330M	33.0	19.0	15	9.5	0.4
SWRT1095-390M	39.0	18.0	15	9.5	0.4
SWRT1095-470M	47.0	17.0	13	12.4	0.35
SWRT1095-500M	50.0	16.0	13	12.4	0.35
SWRT1095-560M	56.0	15.0	12	16.2	0.3
SWRT1095-620M	62.0	14.0	12	16.2	0.3
SWRT1095-680M	68.0	12.0	12	16.2	0.3
SWRT1095-860M	86.0	10.0	12	16.2	0.3
SWRT1095-101M	100.0	9.0	11	17.1	0.3

Notes:

Electrical parameters measured at ambient temperature 25°C .

PART NUMBER KEY

SWRT1095 - XXX M

Type / Product Series

SWRT1095 = Signal High Performance Current Inductor

Inductance Tolerance

M = $\pm 20\%$

Inductance *

4R7 = 4.7 μH

101 = 100 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

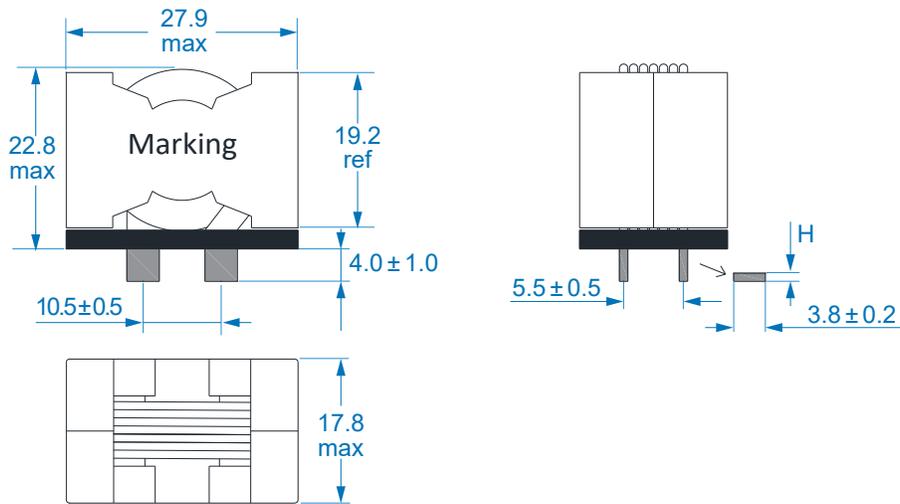
Parameter	Compliant
Safety approvals	
RoHS	Compliance with RoHS, REACH and Halogen Free

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	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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