

PRODUCT SPECIFICATION

SPEC. NO.

T-0691-003B



1. Scope

This specification applies Wire Wound Power Inductors ALS0603-Series-TH to be delivered to user.

2. Product Identification

ALS 0603 - 1R0 □ - TH

(1) (2) (3) (4) (5)

(1) Product name

(2) Shapes and dimensions

(3) Inductance

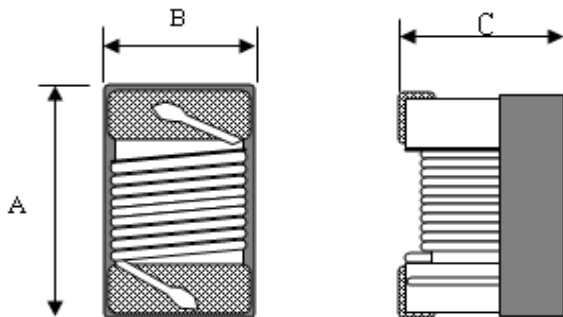
1R0: 1.0 uH

(4) Tolerance

M = ±20%, N = ±30%

(5) For Customer Design

3. Shapes and Dimensions

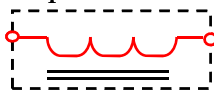


A max. : 1.90 mm

B max. : 1.20 mm

C max. : 1.10 mm

Equivalent circuit



No Polarity

Drawn by	Checked by	Approved by
Cindy Jan.13.2021	Zheny Jan.13.2021	Lu Jan.13.2021

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4. Electrical Characteristics

Customer Part Number	Our Product Part Number	Inductance (uH)/MHz	Inductance Tolerance	Q/MHz Typ.	SRF Typ. (MHz)	Rdc ±30% (Ω)	Idc Typ. (mA)	Irms Typ. (mA)
	ALS0603-1R0□-TH	1.0/1	M	18/1	150	0.16	1600	1400
			N					
	ALS0603-2R2□-TH	2.2/1	M	18/1	90	0.34	1200	1100
			N					
	ALS0603-4R7□-TH	4.7/1	M	18/1	50	0.60	850	750
			N					
	ALS0603-6R8□-TH	6.8/1	M	18/1	50	1.15	650	550
			N					
	ALS0603-100□-TH	10/1	M	18/1	35	1.46	550	500
			N					

1. When ordering, please specify tolerance and packaging codes. Ex: ALS0603-1R0M-TH

Tolerance : M = ±20%, N = ±30%

Packaging : Clear tape and reel {standard}.

2. L , Q 、 SRF : Agilent/HP E4991A+ Agilent/HP 16197A

(The electrical specification test by the smallest gap position) or HP16193A

3. Rdc : DIGITAL MILLIOHM METER Chroma 16502, or equivalent.

4. Idc for Inductance drop 30% from its value without current.

5. Irms for a 40°C rise above 25°C ambient.

6. Operating temperature range from -40°C to 105°C.