

PRODUCT SPECIFICATION

SPEC. NO.

T-0691-007



1. Scope

This specification applies Wire Wound Power Inductors ALS0402-Series-TI-S to be delivered to user.

2. Product Identification

ALS 0402 - 1R0 □ - TI - S

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

(1) Product name

(2) Shapes and dimensions

(3) Inductance

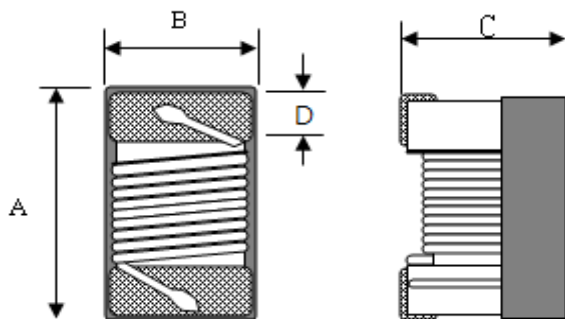
1R0: 1.0 uH

(4) Tolerance

M=±20%

(5) Taping Type

3. Shapes and Dimensions



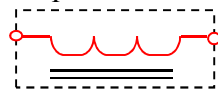
A max. : 1.35 mm

B max. : 0.95 mm

C max. : 0.80 mm

D ref. : 0.28 mm

Equivalent circuit



No Polarity

Drawn by	Checked by	Approved by
Cindy Feb.16.2022	Zheng Feb.16.2022	Dragon Feb.16.2022

PRODUCT SPECIFICATION

SPEC. NO.

T-0691-007



4. Electrical Characteristics

Customer Part Number	Our Product Part Number	Inductance/ Test Freq. (uH)/(MHz)	Tolerance (±%)	Q/ Test Freq. Typ./MHz	SRF (MHz)Min.	Rdc (Ω)±25%	Isat (mA)Typ.	Irms (mA)Typ.
	ALS0402-1R0□-TI-S	1.0/1.0	M	8/1.0	140	0.30	1000	700
	ALS0402-2R2□-TI-S	2.2/1.0	M	8/1.0	64	1.20	500	380
	ALS0402-2R6□-TI-S	2.6/1.0	M	8/1.0	55	1.40	450	360
	ALS0402-3R3□-TI-S	3.3/1.0	M	8/1.0	50	1.60	420	340
	ALS0402-4R7□-TI-S	4.7/1.0	M	8/1.0	45	1.70	400	270

- When ordering, please specify tolerance and packaging codes. Ex: ALS0402-1R0M-TI-S
Tolerance : M =± 20%
Packaging : Clear tape and reel { standard }.
- L/Q Test OSC @200mV.
- Operating temperature range from -25°C to 85°C (Including self-temperature rise)
- Irms for a 40°C temprature rise from 25°C ambient
- Isat for Inductance drop 30% from its value without current.