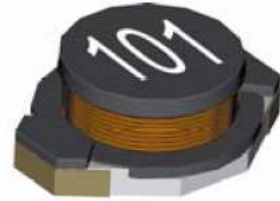


Non-Shielded SMD Power Inductor

Features

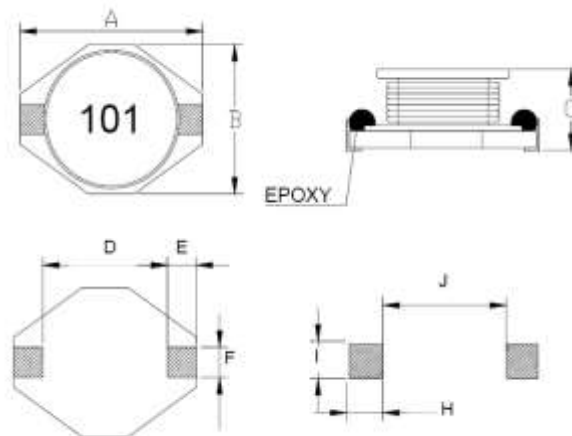
- High power, High saturation inductors
- Ideal inductors for DC-DC converters in notebook computer, PDAs, Step-up or step-down converters, flash memory programmers, etc.
- Used LCP plastic base
- RoHS Compliant



Applications

- Portable Telephones
- Personal Computers
- DC/DC Converters, etc.
- Other Various Electronic Appliances

Dimensions (in mm)



Type	A max.	B max.	C max.	D	E	F	H	I	J
TIS0402SD	6.60	4.45	2.92	4.32	1.27	1.02	3.56	1.40	4.06

Electrical Specifications

- Saturation Rated Current: The current when the inductance becomes 10% lower than its initial value. (Ta=25°C)
- Operating temperature range: -40~125°C

Inductance and Rated Current Range (Electrical Specification at 25°C)

Type	Inductance Range	Current Range
TIS0402SD	1.0 ~ 1000 μ H	2.90 ~ 0.10 A

Note: Higher than 1mH is available upon request.

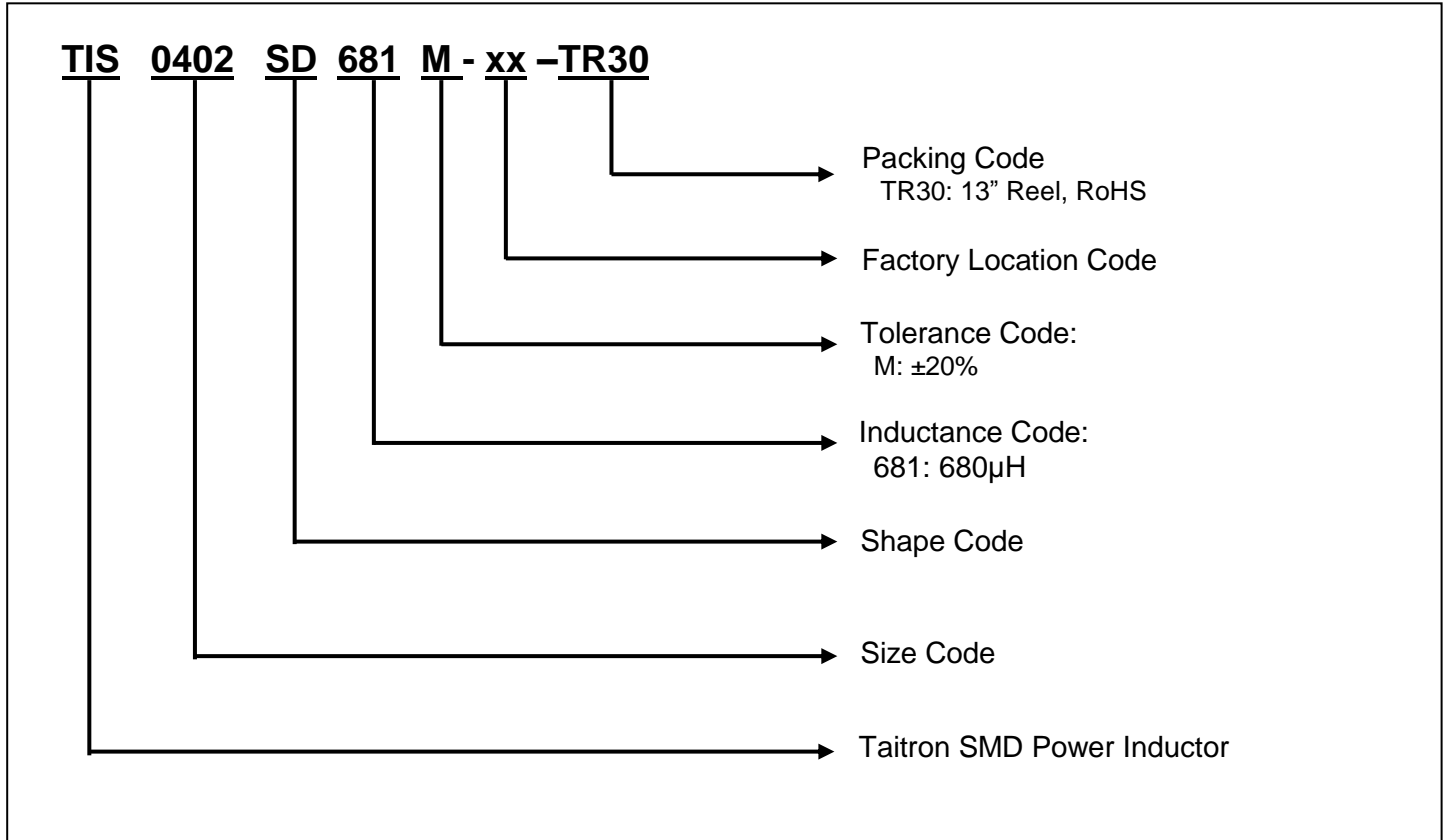
TIS0402SD Type:

Code	Inductance (μ H)	Tolerance (%)	Test Condition	DCR (Ω) max.	IDC (A) max.
1R0	1.0	$\pm 20\%$	100KHz, 0.1V	0.05	2.90
1R5	1.5	$\pm 20\%$	100KHz, 0.1V	0.06	2.60
2R2	2.2	$\pm 20\%$	100KHz, 0.1V	0.07	2.30
3R3	3.3	$\pm 20\%$	100KHz, 0.1V	0.08	2.00
4R7	4.7	$\pm 20\%$	100KHz, 0.1V	0.09	1.50
6R8	6.8	$\pm 20\%$	100KHz, 0.1V	0.13	1.20
8R2	8.2	$\pm 20\%$	100KHz, 0.1V	0.16	1.15
100	10	$\pm 20\%$	100KHz, 0.1V	0.16	1.10
150	15	$\pm 20\%$	100KHz, 0.1V	0.23	0.90
220	22	$\pm 20\%$	100KHz, 0.1V	0.37	0.70
330	33	$\pm 20\%$	100KHz, 0.1V	0.51	0.58
470	47	$\pm 20\%$	100KHz, 0.1V	0.64	0.50
680	68	$\pm 20\%$	100KHz, 0.1V	0.86	0.40
101	100	$\pm 20\%$	100KHz, 0.1V	1.27	0.31
151	150	$\pm 20\%$	100KHz, 0.1V	2.00	0.27
221	220	$\pm 20\%$	100KHz, 0.1V	3.11	0.22
331	330	$\pm 20\%$	100KHz, 0.1V	3.80	0.18
471	470	$\pm 20\%$	100KHz, 0.1V	5.06	0.16
681	680	$\pm 20\%$	100KHz, 0.1V	9.20	0.14
102	1000	$\pm 20\%$	100KHz, 0.1V	13.80	0.10

Non-Shielded SMD Power Inductor

TIS0402SD Series

How to Order



How to contact us

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