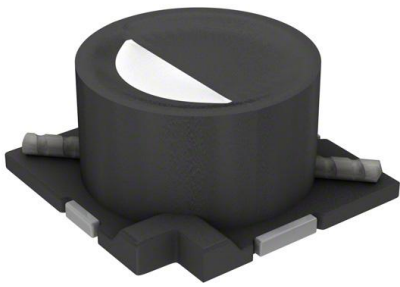


SLF7030T-3R3M1R8-PF Datasheet

www.digi-electronics.com



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	SLF7030T-3R3M1R8-PF-DG
Manufacturer	TDK Corporation
Manufacturer Product Number	SLF7030T-3R3M1R8-PF
Description	FIXED IND 3.3UH 1.8A 23 MOHM SMD
Detailed Description	3.3 μ H Shielded Drum Core, Wirewound Inductor 1.8 A 23mOhm Nonstandard



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RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.

Purchase and inquiry

Manufacturer Product Number:

SLF7030T-3R3M1R8-PF

Series:

SLF

Type:

Drum Core, Wirewound

Inductance:3.3 μ H**Current Rating (Amps):**

1.8 A

Shielding:

Shielded

Q @ Freq:

-

Ratings:

-

Inductance Frequency - Test:

100 kHz

Package / Case:

Nonstandard

Size / Dimension:

0.276" L x 0.276" W (7.00mm x 7.00mm)

Manufacturer:

TDK Corporation

Product Status:

Active

Material - Core:

Ferrite

Tolerance: \pm 20%**Current - Saturation (Isat):**

-

DC Resistance (DCR):

23mOhm

Frequency - Self Resonant:

-

Operating Temperature:

-20°C ~ 85°C

Mounting Type:

Surface Mount

Supplier Device Package:

-

Height - Seated (Max):

0.127" (3.22mm)

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8504.50.8000

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

SMD Inductors(Coils) For Power Line(Wound, Magnetic Shielded)

Conformity to RoHS Directive

SLF Series SLF7030

FEATURES

- The SLF series are characterized by low profile, low DC resistance, and high current handling capacities.
- Because they are magnetically shielded, these parts can be used in high-density mounting configurations.
- Flat bottom surface ensures secure, reliable mounting.
- Provided in embossed carrier tape packaging for use with automatic mounting machines.

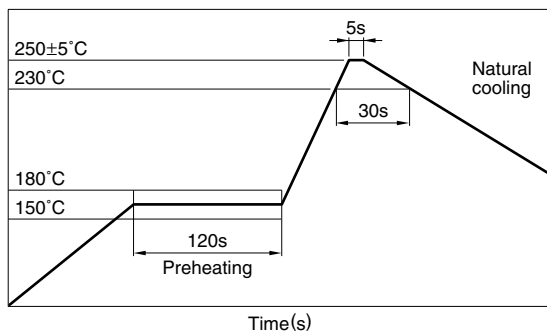
APPLICATIONS

Portable telephones, personal computers, hard disk drives, and other electronic equipment.

SPECIFICATIONS

Operating temperature range	-20 to +85°C [Including self-temperature rise]
Storage temperature range	-40 to +85°C[Unit of products]

RECOMMENDED REFLOW SOLDERING CONDITIONS



PRODUCT IDENTIFICATION

SLF	7030	T-	220	M	R86	-	PF
(1)	(2)	(3)	(4)	(5)	(6)	(7)	

(1) Series name

(2) Dimensions

7030	7.0×7.0×3.0mm (L×W×T)
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(3) Packaging style

T	Taping(reel)
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(4) Inductance value

3R3	3.3μH
100	10μH

(5) Inductance tolerance

M	±20%
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(6) Rated current

1R8	1.8A
R86	0.86A

(7) Lead-free compatible product

PF	Lead-free compatible product
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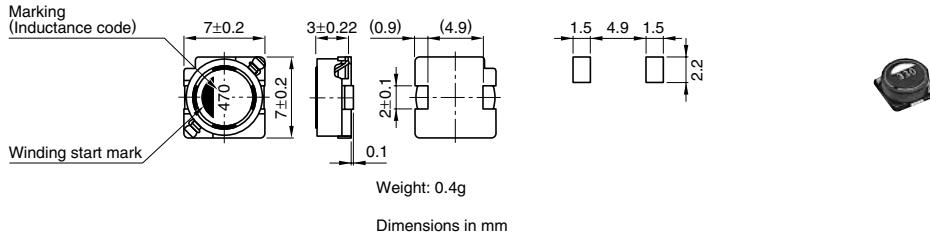
PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	1000 pieces/reel

• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• All specifications are subject to change without notice.

SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN



ELECTRICAL CHARACTERISTICS

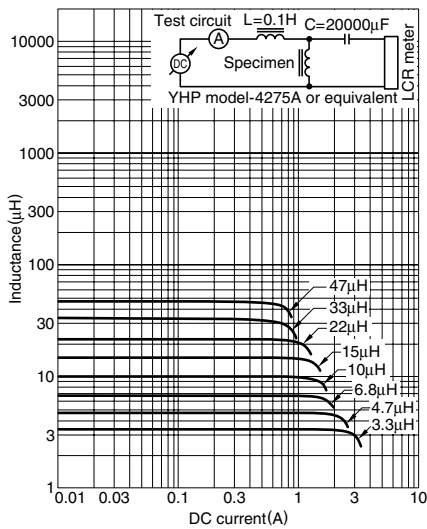
Inductance (μH)	Inductance tolerance	Test frequency L (kHz)	DC resistance (Ω)±20%	Rated current (A)*max.	Part No.
3.3	±20%	100	0.023	1.8	SLF7030T-3R3M1R8-PF
4.7	±20%	100	0.036	1.6	SLF7030T-4R7M1R6-PF
6.8	±20%	100	0.041	1.5	SLF7030T-6R8M1R5-PF
10	±20%	100	0.053	1.3	SLF7030T-100M1R3-PF
15	±20%	100	0.084	1	SLF7030T-150M1R0-PF
22	±20%	100	0.11	0.86	SLF7030T-220MR86-PF
33	±20%	100	0.16	0.65	SLF7030T-330MR65-PF
47	±20%	100	0.24	0.57	SLF7030T-470MR57-PF
68	±20%	100	0.31	0.49	SLF7030T-680MR49-PF
100	±20%	100	0.45	0.35	SLF7030T-101MR35-PF

* Rated current: Value obtained that the nominal value of inductance has fallen by 10% and the temperature rise specifications.

- Test equipment L: 4194A IMPEDANCE/GAIN-PHASE ANALYZER HP, or equivalent (Measured at 100kHz/0.5V)
Rdc: MATSUSHITA, VP-2941A DIGITAL MILLIOHM METER, or equivalent

TYPICAL ELECTRICAL CHARACTERISTICS

INDUCTANCE CHANGE vs. DC SUPERPOSITION CHARACTERISTICS



OUR CERTIFICATE

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