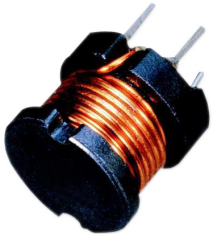


Inductor

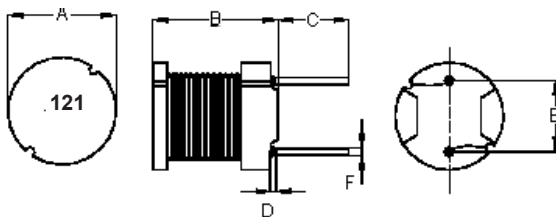
Radial Leaded

multicomp **PRO**

RoHS
Compliant



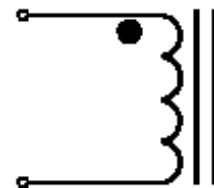
Configurations and Dimensions



Top View Front View Bottom View

Note : White dot of marking indicates the start terminal of winding

Schematic Diagram



Note:

1. Wire UEFN/U (155°C) Ø0.35mm
2. 61.5TS (Reference) C.W

Test Data for Mechanical

Test Item	A mm	B mm	C mm	D mm	E mm	F mm
Specification	7.8 ±0.5	9.5 ±0.5	5 ±1	3 (Max.)	5 ±0.5	Ø0.6 (Ref.)
1	7.78	9.28	5.12	1.78	5.2	0.57
2	7.8	9.3	5.08	2	5.1	0.58
3	7.72	9.32	4.98	1.5	5.11	0.56
4	7.73	9.38	5.02	1.8	5.08	0.6
5	7.76	9.35	5.09	1.81	5.07	0.59
Average	7.76	9.33	5.06	1.78	5.11	0.58

Electrical Characteristics

Test Condition		
1kHz 0.25V	L	120µH ±10%
T _A = 25°C	DCR	0.22Ω (Max.)
1kHz 0.25 V I _{rms} = 0.85 A	ΔT	Temperature rise 40°C (Max.)

Operating temperature : -55°C to +130°C

Material List

No.	Item	Material Description
1	Core	P3B DRWW7.8 × 9.3 RFB B3.5 F5 P5
2	Wire	Ø0.35mm UEFN/U (155°C)
3	Solder (Lead-free)	Sn99.3% / Cu0.7%

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

multicomp **PRO**

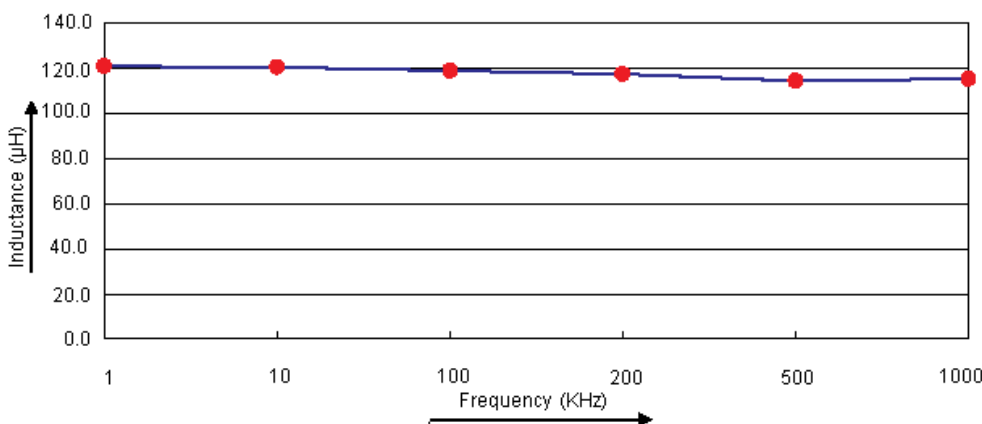
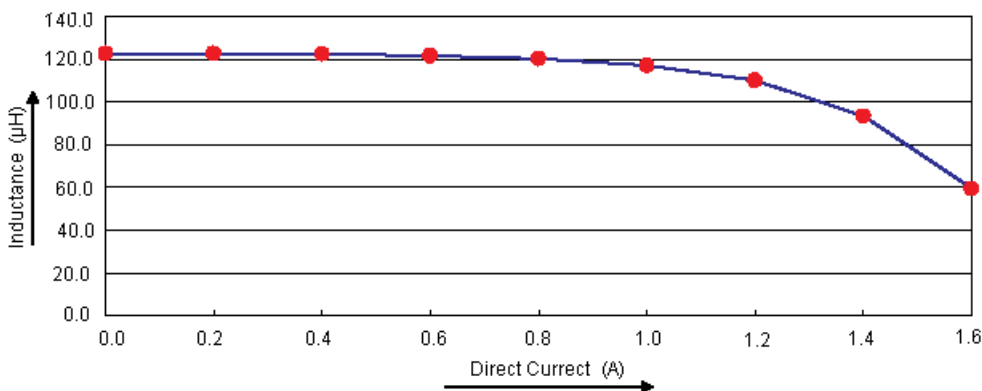
Inductor

Radial Leaded

Reliability Test

Test Item	Specifications	Test Method and Remarks
Operating temperature range	-55°C to +130°C	Including temperature rise due to self-generated heat.
Storage condition	Ambient temperature : 0°C to 40°C Humidity : Below 70% RH	To maintain the solderability of terminal electrodes, care must be taken to control temperature and humidity in the storage area.
Moisture sensitivity	Appearance : No abnormality : No damage DCR change : Within ±5% Inductance change : Within ±5%	According to J-STD-020B level 3 Test condition : 60°C 60% RH Test duration : 40 hrs Recovery : 1 to 2 hours of recovery under the standard condition after the removal from the test chamber.
Solderability	All termination shall exhibit a continuous solder coating free from defects for a minimum of 95% of the surface area of any individual lead.	According to J-STD-002B Steam aging category : 97°C 98% RH Steam aging duration : 8 hrs Solder : Lead-free solder Solder temperature : 260 ±5°C Dip time : 5 +0 / -0.5s

Electric Characteristics



Inductor

Radial Leaded

Test Data for Electrical

Test Item	L μH	DCR Ω	ΔT
Condition	1kHz 0.25V	at 25°C	1kHz 0.25V I _{rms} = 0.85A
Specification	120 ±10%	0.22 (Max.)	Temperature rise 40°C (Max.)
1	120.99	0.194	OK
2	120.89	0.194	
3	121.21	0.194	
4	120.5	0.193	
5	119.94	0.2	
Average	120.71	0.2	OK

Part Number Table

Description	Part Number
Inductor, 120μH, 10%, Radial Leaded	MCSCH895-121KU

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.