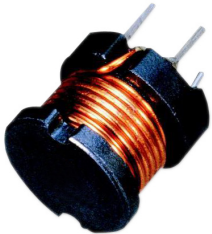


Inductor

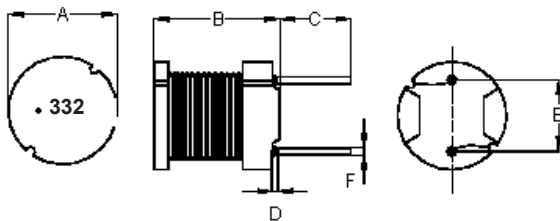
Radial Leaded

multicomp **PRO**

RoHS
Compliant



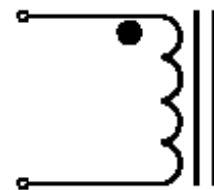
Configurations and Dimensions



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) Ø0.15mm
2. 324.5TS (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	Ø0.7 (Ref.)
1	7.9	9.4	5.29	1.33	5.06	0.68
2	7.88		5.25	1.48	4.98	0.68
3	7.91	9.42	5.31	1.36	5.04	0.69
4	7.85	9.37	5.15	1.45	5.02	0.69
5	7.89	9.43	5.13	1.47	4.98	0.68
Average	7.89	9.4	5.23	1.42	5.02	0.68

Electrical Characteristics

Test Condition		
1kHz 0.25V	L	3.3mH ±10%
T _A = 25°C	DCR	6.2Ω (Max.)
1kHz 0.25 V Irms = 0.28A	ΔT	Temperature rise 40°C (Max.)

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

Material List

No.	Item	Material Description
1	Core	DL5 DRWW7.8 × 9.5RSN B3.6 F5.4 P5
2	Wire	Ø0.15mm UEFN/U (155°C)
3	Solder (Lead-free)	Sn99.3% / Cu0.7%

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

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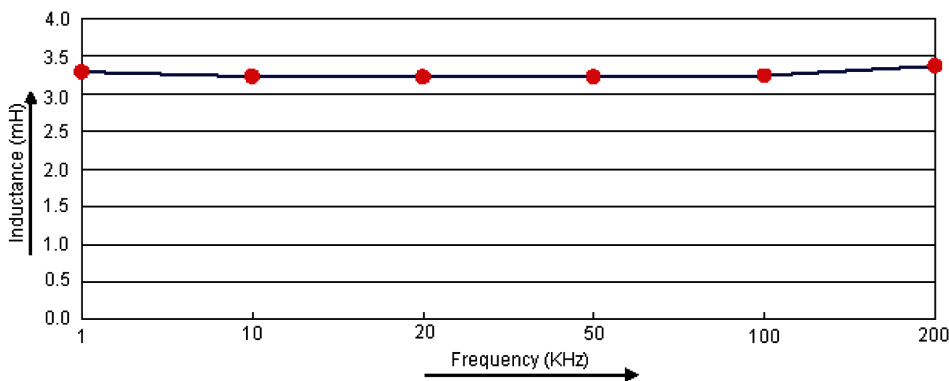
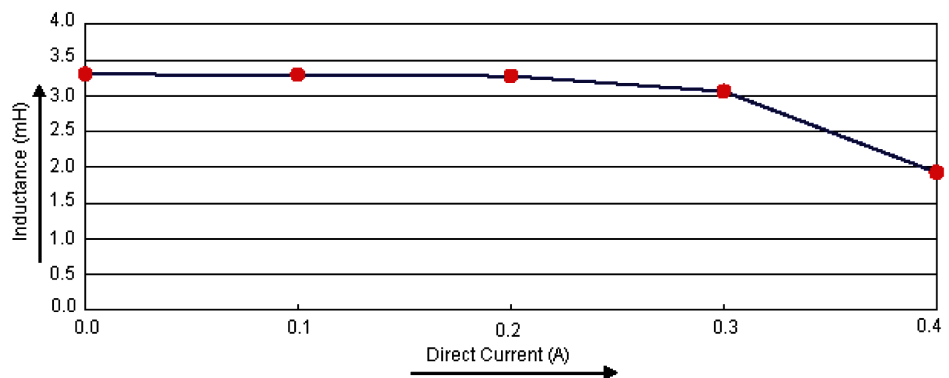
Inductor

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} = 2.8A
Specification	3.3 ±10%	6.2 (Max.)	Temperature rise 40°C (Max.)
1	3.27	5.45	OK
2	3.23	5.42	
3	3.24	5.51	
4	3.27	5.4	
5	3.28	5.52	
Average	3.26	5.46	OK

Part Number Table

Description	Part Number
Inductor, 3.3mH, 10%, Radial Leaded	MCSC895-332KU

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