



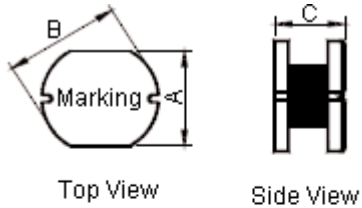
PART NO.

MCS75-330KU

REVISIONS

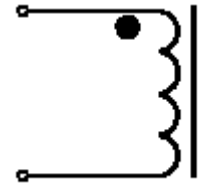
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Arun	10/2/11	Jagan	10/2/11	Farnell	24/2/11

Configurations and Dimensions



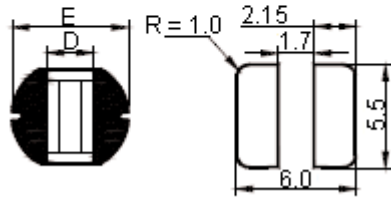
A	7 ±0.3 mm	-
B	7.8 ±0.3 mm	-
C	5 ±0.5 mm	-
D	3 mm	(Reference)
E	8 ±0.5 mm	-

Schematic Diagram



Note:

- (1) Wire Ø0.35mm x 1P 2UEWF 155°C
- (2) 30.5TS (Reference)



Bottom View

Suggest PCB Layout

Dimensions : Millimetres

Marking : 330

Electrical Characteristics

(at 25°C)

Test Condition		
100KHz 0.25V	L	33µH ±10%
at 25°C	DCR	130mΩ (Maximum)
100KHz 0.25V I _{rms} = 1.20A	ΔT	Temperature Rise 40°C (Maximum)

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

Test Data for Mechanical

Test Item	A mm	B mm	C mm	D mm	E mm
Specification	7 ±0.3	7.8 ±0.3	5 ±0.5	3 (Reference)	8 ±0.5
1	7.05	7.82	4.99	2.26	7.79
2	7.06		5.05	2.25	7.75
3	7.08	7.84	5.06	2.28	7.81
4	7.04	7.81	5.01	2.23	7.79
5	7.09	7.85	5.07	2.27	
Average	7.06	7.83	5.04	2.26	7.79

This data sheet and its contents (the "Information") belong to the Premier Farnell Group (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. SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell plc 2011.

TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:

Arun

DATE:

10/02/11

DRAWING TITLE:

Inductor

CHECKED BY:

Jagan

DATE:

10/02/11

APPROVED BY:

Farnell

DATE:

24/02/11

SIZE DWG NO.

A

M10003025

ELECTRONIC FILE

SD75-330KU

REV

A

SCALE: NTS

U.O.M.: mm

SHEET: 1 OF 3



PART NO.

MCS75-330KU

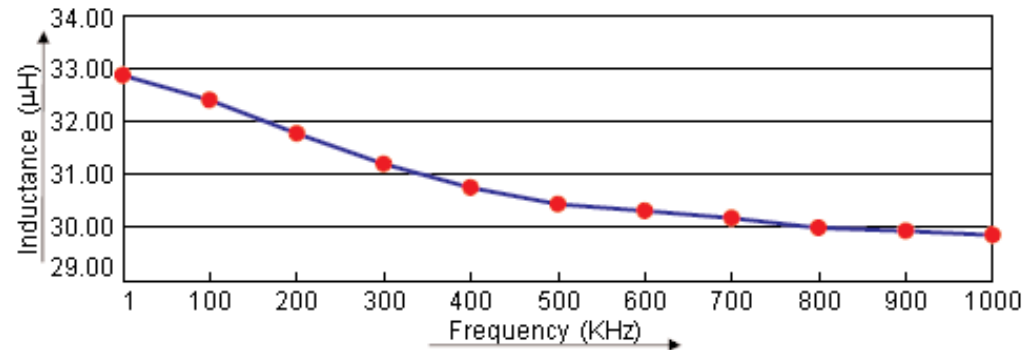
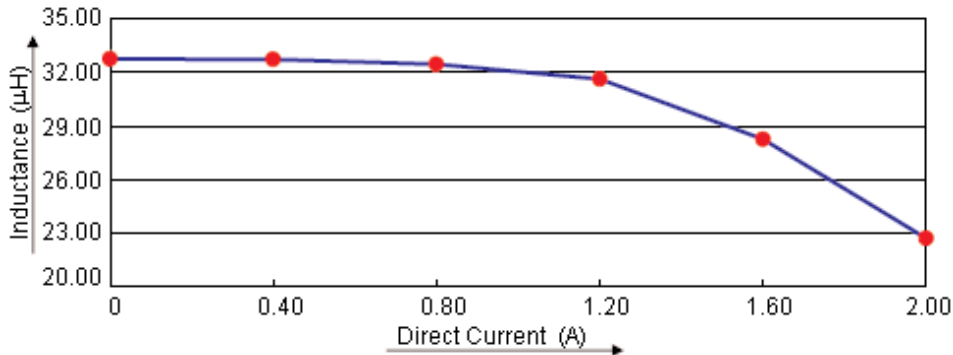
REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Arun	10/2/11	Jagan	10/2/11	Farnell	24/2/11

Test Data for Electrical

Test Item	L μH	DCR mΩ	ΔT
Condition	100KHz 0.25V	at 25°C	100KHz 0.25V I _{rms} = 1.20A
Specification	33 ±10%	130 (Maximum)	Temperature Rise 40°C (Maximum)
1	32.13	89.5	OK
2	31.93	88.6	OK
3	31.95	91.8	OK
4	31.82	87.2	OK
5	31.78	87	OK
Average	31.92	88.82	OK

Electric Characteristics



This data sheet and its contents (the "Information") belong to the Premier Farnell Group (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. SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell plc 2011.

TOLERANCES:
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
Arun	10/02/11
CHECKED BY:	DATE:
Jagan	10/02/11
APPROVED BY:	DATE:
Farnell	24/02/11

DRAWING TITLE:

Inductor

SIZE A	DWG NO. M10003025	ELECTRONIC FILE SD75-330KU	REV A
SCALE: NTS		U.O.M.: mm	SHEET: 2 OF 3