

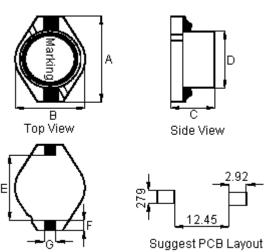
PART NO.

MCBFS7330-221MU

		REVISIONS						
ECN#	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	- A RELEASED		Sidhu	19/2/11	Jagan	19/2/11	Farnell	07/3/11

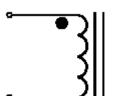
RoHS

Configurations and Dimensions



Α	18.54 mm	Maximum
В	15.24 mm	Maximum
С	7.62 mm	Maximum
D	12.7 ±0.3 mm	-
Е	12.7 mm	Reference
F	2.54 mm	Reference
G	2.54 mm	Reference

Schematic Diagram





- (1) Wire Ø0.32mm x 1P 2UEWF 155°C
- (2) 57.5TS (Reference)

Electrical Characteristics

221

YYWW

Bottom View

Marking:

 Test Condition
 L
 220μH ±20%

 100KHz 0.1V
 L
 220μH ±20%

 at 25°C
 DCR
 470mΩ (Maximum)

 100KHz 0.1V I_{rms} = 1.2A
 L at I_{rms}
 ΔT40°C (Maximum)

Dimensions: Millimetres

YY: Year

WW: Week

Operating temperature: -55°C to +130°C **Note:** I_{rms} **Temperature Rise 40°C**

Test Data for Mechanical

Test Item	A mm	B mm	C mm	D mm	E mm	F mm	G mm
Specification	18.54 (Maximum)	15.24 (Maximum)	7.62 (Maximum)	12.7 ±0.3	12.7 (Reference)	2.54 (Reference)	2.54 (Reference)
1	18.06	14.01	7.01	12.68	12.91	2.54	2.54
2	18.04	14	6.98	12.71	12.92	2.53	2.54
3	18.06	14.03	6.99	12.65	12.86	2.52	2.53
4	18.05	14	6.95	12.66	12.88	2.51	2.54
5	18.06	14.02	6.96	12.67	12.9	2.52	2.53
Average	18.05	14.01	6.98	12.67	12.89	2.52	2.54

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TOLERANCES:

(at 25°C)

DRAWN BY:	DATE:			
Sidhu	19/02/11			
CHECKED BY:	DATE:			
Jagan	19/02/11			
APPROVED BY:	DATE:			
Farnell	07/03/11			

DRAW	ING TITLE:						
		Inducto	or				
SIZE A	DWG NO.	M10003453	· ·	TRONIC FIL 37330-221			REV A
SCAL	E: NTS	U.O.M.: mm		SHEET:	1	OF	- 3

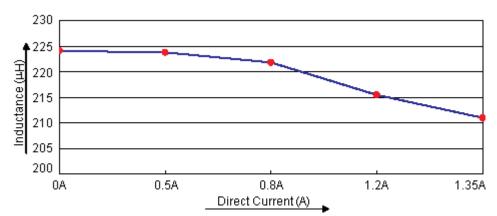


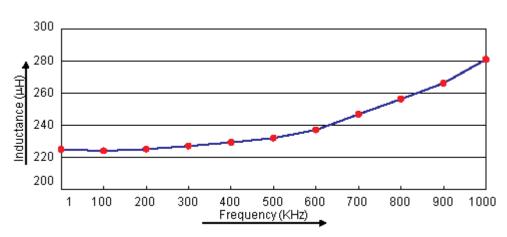
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Electric Characteristics





Test Data for Electrical

Test Item	L μH	DCR mΩ	L at I _{rms} μΗ
Condition	100KHz 0.1V	at 25°C	100KHz 0.1V I _{rms} = 1.2A
Specification	220 ±20%	470 (Maximum)	ΔT40°C (Maximum)
1	216.59	310.9	OK
2	213.41	309.8	OK
3	216.83	311.4	OK
4	217.97	311.6	OK
5	216.05	311.7	OK
Average	216.17	311.08	ОК

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Farnell	07/03/11

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]			Inducto	or				
:	SIZE	DWG NO.	_		ELEC	TRONIC FIL	.E		REV
	Α		N	/110003453	BFS	37330-221	MU		Α
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	NIC
PARI	INC.

MCBFS7330-221MU

	REVISIONS							
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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 ±20% Inductance change : Within ±20%	According to J-STD-020B level 3 Test condition: 60°C 60% RH Test duration: 40 hours 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 90% of the surface area of any individual lead.	According to J-STD-002B Steam aging category : 97°C 98% RH Steam aging duration : 8 hours			

Material List

No.	Item	Material Description
1	Core	N5D DR9.7 x 5.8 N5D R112.7 x 5.7 x 10.8
2	Wire	Ø0.32mm x 1P 2UEWF 155°C
3	Solder (Lead Free)	99.3%Sn / 0.7%Cu
4	Glue	TH320D / TH320-3
5	Base	DR13-RT-A DAP

Part Number Table

Description	Part Number			
Inductor, 220μH, 20%, 1.4A	MCBFS7330-221MU			

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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DRAWI	NG TITLE:							
Inductor								
size A	DWG NO.	M10003453		ELECTRONIC FILE BFS7330-221MU				REV A
SCALE: NTS			U.O.M.: mm		SHEET:	3	OF	- 3