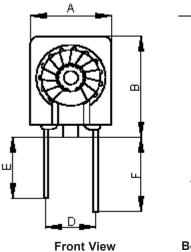
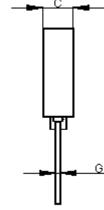
multicomp	PART NO.		REVISIONS								
	MCAS809535-101U	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE	
		-	А	RELEASED	SHA	20/4/11	SID	20/4/11		04/5/11	

Configurations and Dimensions





Bottom View

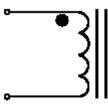
Electrical Characteristics

Test Condition		
1 KHz 70 mA	L	100 µH ±35%
T _a = 25°C	DCR	170 mΩ (Max.)
100 MHz	Z	3,000 Ω (Typ.)

Operating temperature : -25°C to +85°C

А	8 mm	
В	9.5 mm	(Max.)
С	3.5 mm	
D	5 ±0.5 mm	-
E	15.5 ±1 mm	-
F	19.5 ±1 mm	-
G	Ø0.6 ±0.3 mm	-

Schematic Diagram





Note:

1. Wire UEFN/U 0.18mm (155°C) 2. 38TS (Reference) C.W

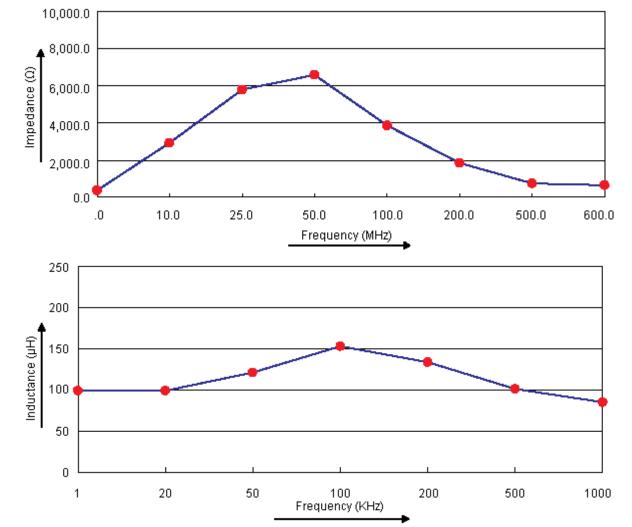
Test Data for Mechanical

Test Item	A mm	B mm	C mm	D mm	E mm	F mm	G
Specification	8 (Max.)	9.5 (Max.)	3.5 (Max.)	5 ±0.5	15.5 ±1	19.5 ±1	Ø0.6 ±0.3
1	7.08	8.84	3.06	5	16.1	19.13	0.6
2	7.00	8.87	3.04	5.05	16.08	19.16	0.61
3	7.03	8.9	3	5.12	10.00	19.27	0.59
4	7.08	8.91	3.05	5.08	16.04	18.92	0.58
5	7.12	8.8	3.08	5.04	15.92	19.17	0.59
Average	7.08	8.86	3.05	5.06	16.04	19.13	0.59

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plied. 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	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV
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multicomp	PABT NO.			REVISIONS						
	MCAS809535-101U	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
		-	А	RELEASED	SHA	20/4/11	SID	20/4/11		04/5/11

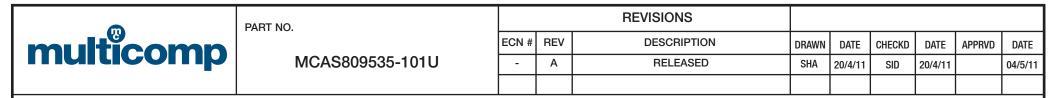
Electric Characteristics



Test Data for Electrical

Test Item	L µH	DCR mΩ	Z Ω
Condition	10 KHz 70 mA	at 25°C	100 MHz
Specification	100 ±35%	170 (Max.)	3,000 (Тур.)
1	98.58	149.23	3,880
2	96.73	147.03	3,690
3	94.6	147.27	3,890
4	98.35	149.58	3,840
5	5 97.95		3,780
Average	97.24	148.25	3,816

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Reliability Test

Test Item	Specifi	ications	Test Method and Remarks				
Operating temperature range	-25°C to +85°C		Including temperature rise due to self-generated heat.				
Storage condition	Ambient temperature Humidity	: 0°C to 40°C : Below 70% RH		ability of terminal electrodes, care must be taken to not humidity in the storage area.			
Appearance : No abnormality No damage	According to J-STD-02 Test condition	: 60°C 60% RH					
Moisture sensitivity	DCR change Inductance change	: Within ±5% : Within ±5%	Test duration Recovery	: 40 hrs: 1 to 2 hours of recovery under the standard condition after the removal from the test chamber.			
Solderability		chibit a continuous solder cts for a minimum of 95% any individual lead.	According to J-STD-00 Steam aging category Steam aging duration Solder Solder temperature Dip time	: 97°C 98% RH			

Material List

No.	Item	Material Description
1	Core	L43 T4.5 × 1.5 × 3
2	Wire	UEFN/U 0.18 mm (155°C)
3	Solder	Sn99.3% / Cu0.7%
4	Base	XBA201-1

Part Number Table

 Part Number Table
 http://www.element14.com

 Description
 Part Number

 EMI Filter, 100µH min, 500mA, 50V
 MCAS809535-101U

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