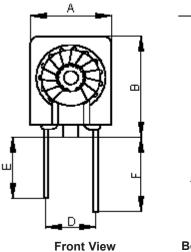
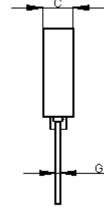
multicomp	PART NO.		REVISIONS								
	MCAS809535-101U	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE	
		-	А	RELEASED	SHA	20/4/11	SID	20/4/11		04/5/11	

# **Configurations and Dimensions**





## **Bottom View**

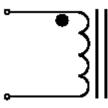
#### **Electrical Characteristics**

Test Condition		
1 KHz 70 mA	L	100 µH ±35%
T <sub>a</sub> = 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

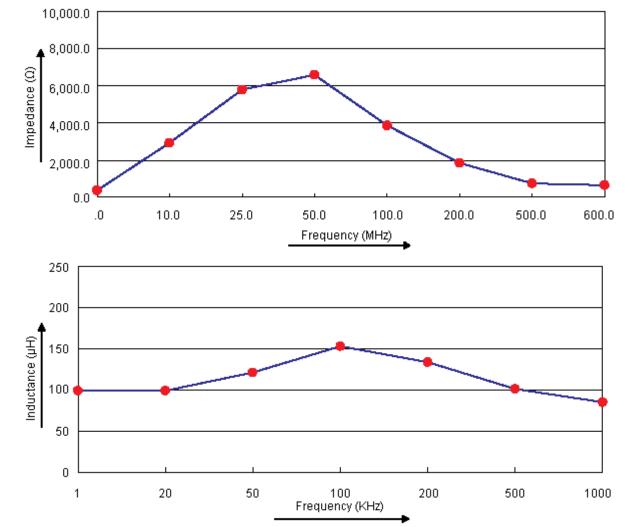
## **Test Data for Mechanical**

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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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

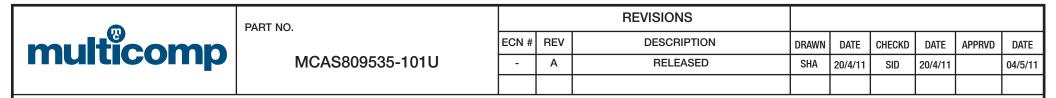
## **Electric Characteristics**



## **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	<ul><li>: 40 hrs</li><li>: 1 to 2 hours of recovery under the standard condition after the removal from the test chamber.</li></ul>			
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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