



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



0805 Multilayer Ferrite Chip Bead

ACML-0805



RoHS/RoHS II compliant



2.00 x 1.25 x 0.85mm

FEATURES:

- Multilayer monolithic construction yields high reliability
- Nickel barrier terminations provide excellent solder heat resistance
- Suitable for flow and RoHS reflow soldering

APPLICATIONS:

- Video equipment, audio equipment
- Automotive electrical equipment
- Communication equipment
- OA equipment and other

ELECTRICAL SPECIFICATIONS:

PARAMETERS

Operating temperature: -55°C to + 125°C

Storage temperature : -55°C to + 125°C

Part Number	Impedance	Frequency	DC resistance	Rated Current
Units	$\Omega \pm 25\%$	MHz	Ω max	mA max
Symbol	Z	F	R _{DC}	I _R
ACML-0805-070	7	100	0.05	2200
ACML-0805-110	11	100	0.05	2000
ACML-0805-170	17	100	0.05	2000
ACML-0805-190	19	100	0.05	2000
ACML-0805-260	26	100	0.05	1500
ACML-0805-310	31	100	0.05	1500
ACML-0805-360	36	100	0.05	1500
ACML-0805-500	50	100	0.05	1000
ACML-0805-600	60	100	0.05	1000
ACML-0805-700	70	100	0.08	1000
ACML-0805-800	80	100	0.10	1000
ACML-0805-101	100	100	0.12	1000
ACML-0805-121	120	100	0.15	800
ACML-0805-151	150	100	0.15	800
ACML-0805-181	180	100	0.20	600
ACML-0805-221	220	100	0.20	600
ACML-0805-301	300	100	0.25	500
ACML-0805-501	500	100	0.30	500
ACML-0805-601	600	100	0.35	500
ACML-0805-751	750	100	0.35	300
ACML-0805-102	1000	100	0.45	300
ACML-0805-122	1200	50	0.50	200
ACML-0805-152	1500	50	0.65	200
ACML-0805-202	2000	50	0.80	200

Test Conditions and Equipments

I_R: Rated current applied when the chip surface temperature rise just 20°C against chip surface temperature.

Electric power supplier, Electric current meter, Thermometer.

Z: Impedance Analyzer HP4291 or equivalent, 50mV.

DCR: LCR Meter HP4263A or equivalent

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OPTIONS AND PART IDENTIFICATION

ACML-0805 - -

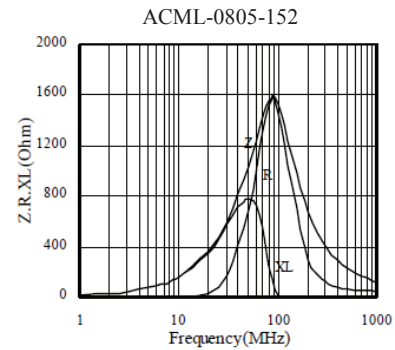
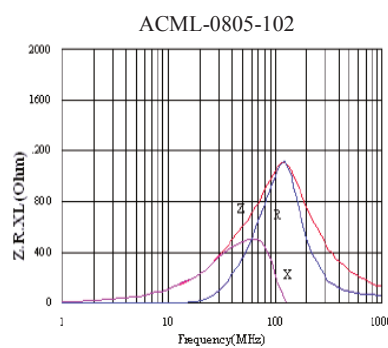
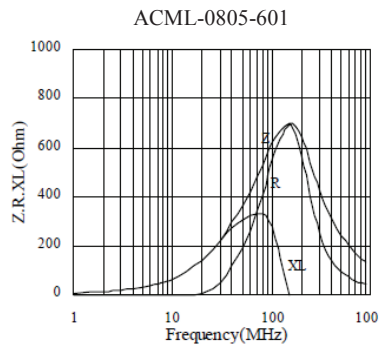
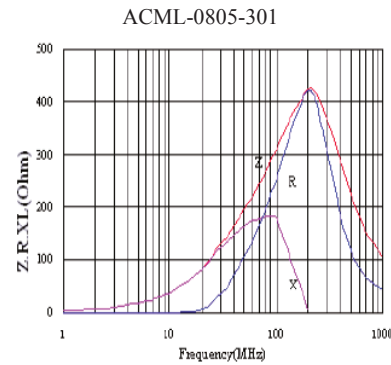
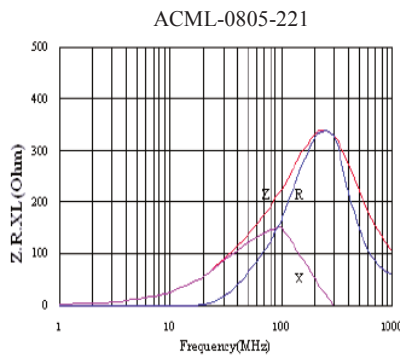
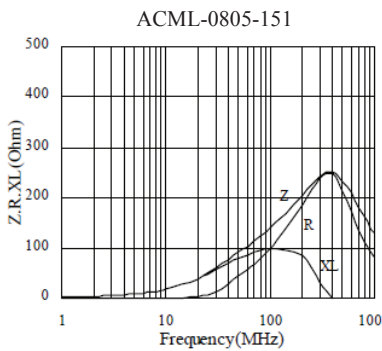
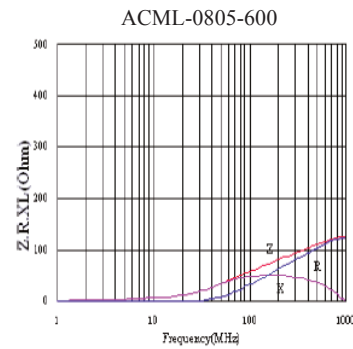
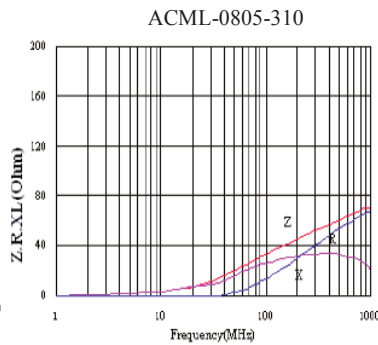
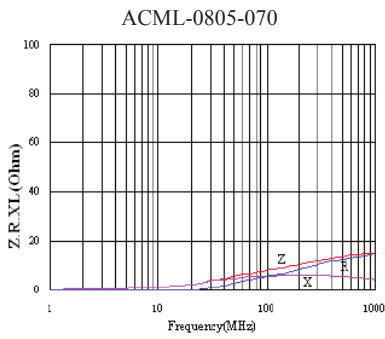
Impedance Code

Please refer to the P/N table

Packaging

T: Tape and Reel
(4kpcs / reel)

FREQUENCY CHARACTERISTICS



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ACML-0805

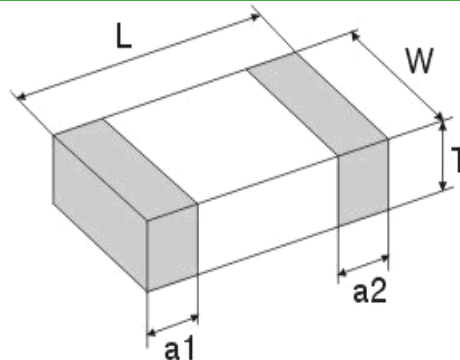


RoHS/RoHS II compliant



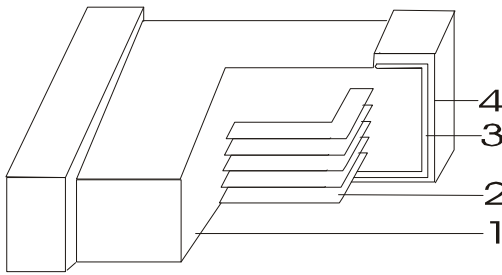
2.00 x 1.25 x 0.85mm

MECHANICAL DIMENSIONS



L	W	T	a1, a2
2.00±0.20	1.25±0.20	0.85±0.20	0.50±0.30

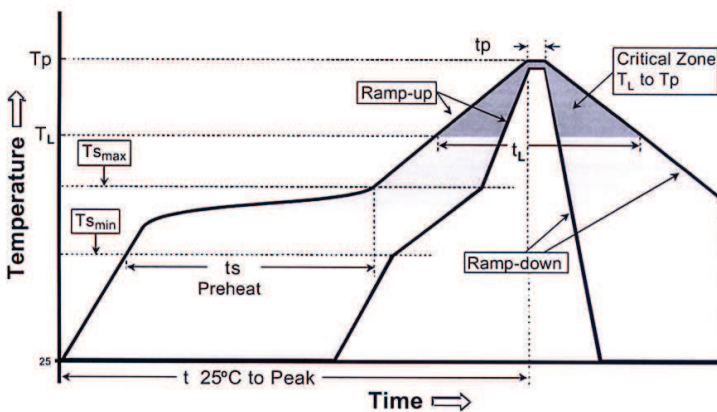
Materials



	Part Name	Material
1	Base Material	Ferrite
2	Internal Conductor	Ag
3	Terminal Electrode	Ag
4	Terminal Electrode	Ni-Sn

Dimension: mm

REFLOW PROFILE



Profile Feature	Lead-Free Assembly
Average Ramp-Up Rate (T _{smax} to T _p)	3°C/second max.
Preheat – Temperature Min (T _{sm}) – Temperature Max (T _{smax}) – Time (t _{sm} to t _{smax})	150 °C 200 °C 60-180 seconds
Time maintained above: – Temperature (T _L) – Time (t _L)	217 °C 60-150 seconds
Peak/Classification Temperature (T _p) Peak/Classification Time (T _p)	260 °C 3-4 seconds
Time within 5 °C of actual Peak Temperature (t _p)	20-40 seconds
Ramp-Down Rate	6°C/second max.
Time 25 °C to Peak Temperature	8 minutes max.

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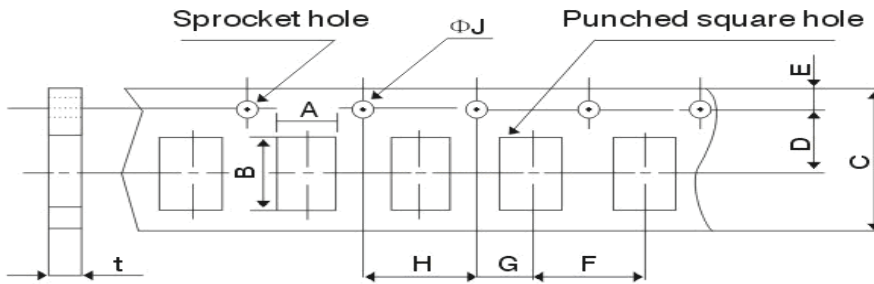
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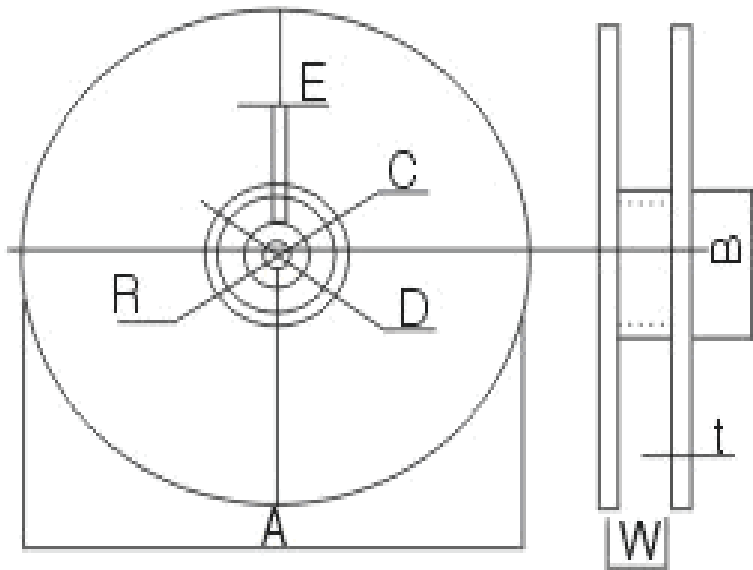
2.00 x 1.25 x 0.85mm

TAPE & REEL:

T= tape and reel (4,000 pcs per reel)



A	1.5±0.15
B	2.5±0.2
C	8.0±0.3
D	3.5±0.05
E	1.75±0.1
F	4.0±0.1
G	2.0±0.05
H	4.0±0.1
ΦJ	1.5+0.1/-0
t(max)	1.1±0.05



A	178±2
B	60±2
C	13.0±0.5
D	21.0±0.8
E	2.0±0.5
W	10.0±1.15
t	1.2±0.2
R	1.0±0.25

Dimension: mm

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