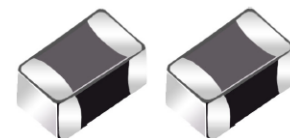


MULTILAYER FERRITE CHIP BEAD

ACML-0603



RoHS
Compliant



1.6 x 0.8 x 0.8mm

FEATURES:

- Multilayer monolithic structure yields high reliability
- Unique terminal electrode structure ensures permissible currents
- High impedance over a wide frequency range

APPLICATIONS:

- Audio & Video Equipment
- Automotive Electrical Equipment
- Communication Equipment
- OA Equipment

STANDARD SPECIFICATIONS:

PARAMETERS

ABRACON P/N:	ACML-0603-xxx Series
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-0603-060	6	100	0.05	1000
ACML-0603-110	11	100	0.05	1000
ACML-0603-190	19	100	0.05	1000
ACML-0603-220	22	100	0.20	800
ACML-0603-310	31	100	0.05	500
ACML-0603-500	50	100	0.08	500
ACML-0603-600	60	100	0.30	600
ACML-0603-800	80	100	0.16	200
ACML-0603-101	100	100	0.20	200
ACML-0603-121	120	100	0.40	600
ACML-0603-181	180	100	0.30	200
ACML-0603-221	220	100	0.45	500
ACML-0603-301	300	100	0.35	200
ACML-0603-331	330	100	0.50	500
ACML-0603-471	470	100	0.55	400
ACML-0603-501	500	100	0.45	200
ACML-0603-601	600	100	0.45	200
ACML-0603-102	1000	100	0.80	200
ACML-0603-152	1500	100	0.80	200
ACML-0603-202	2000	100	1.00	200

I_R: Rated current applied when the chip surface temperature rise 20°C
 Impedance is measured on 50mV as the frequency in the table by HP4291.
 DCR measuring equipment: LCR Meter HP4263A or equivalent

OPTIONS AND PART IDENTIFICATION:

ACML-0603 - -

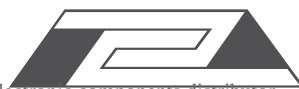
Inductance Code

Please refer to the P/N table

Packaging

T: Tape and Reel
(4kpcs / reel)

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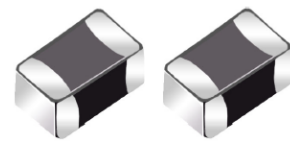
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 30332 Esperanza, Rancho Santa Margarita, California 92688
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MULTILAYER FERRITE CHIP BEAD

ACML-0603



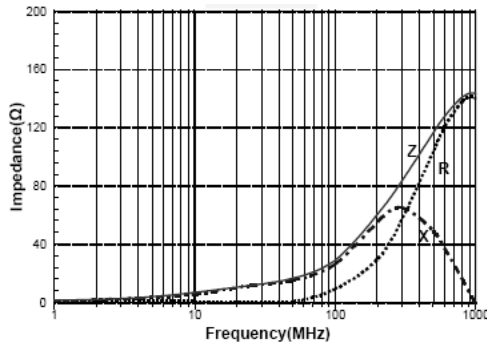
RoHS
Compliant



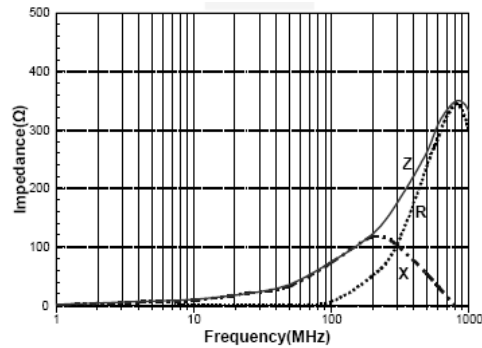
1.6 x 0.8 x 0.8mm

FREQUENCY RESPONSE

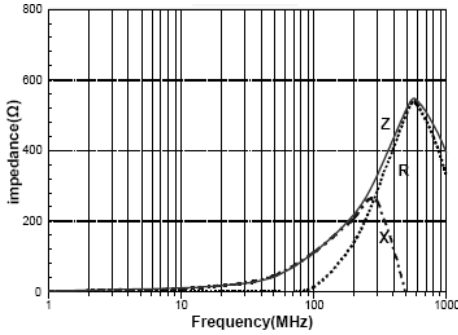
ACML-0603-220



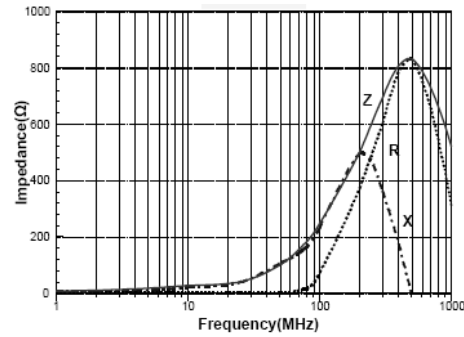
ACML-0603-600



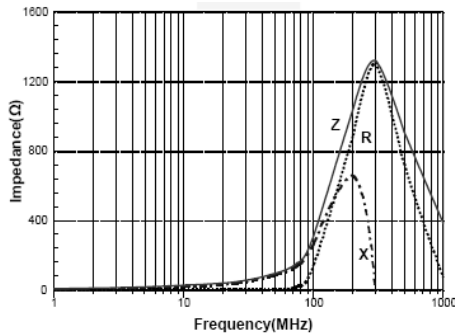
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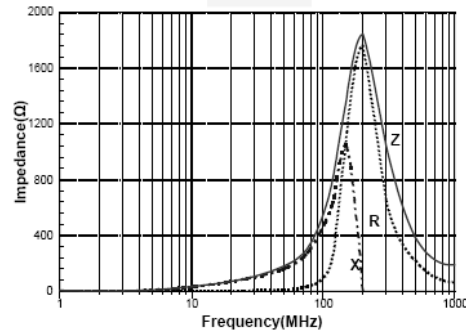
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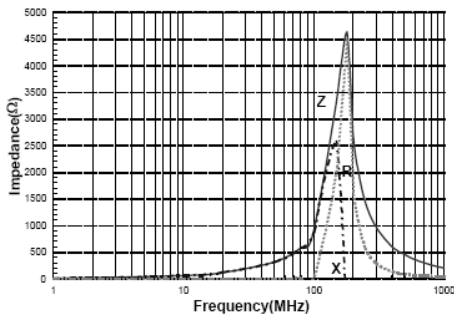
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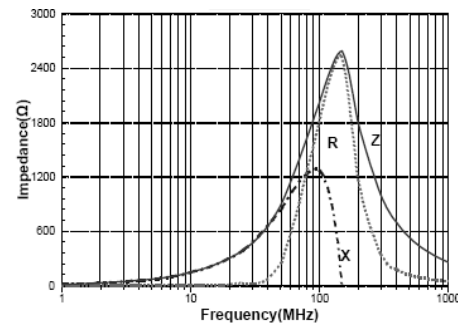
ACML-0603-470



ACML-0603-1000



ACML-0603-2000



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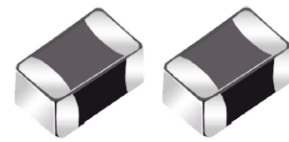
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MULTILAYER FERRITE CHIP BEAD

ACML-0603

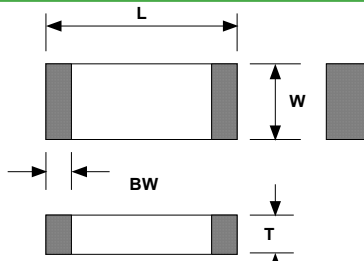


RoHS
Compliant



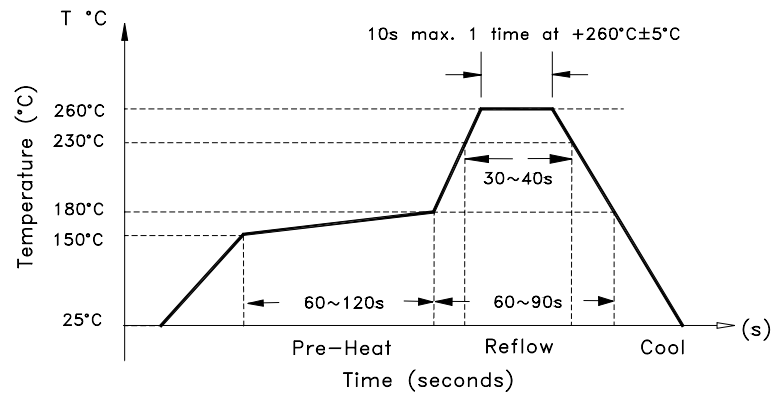
1.6 x 0.8 x 0.8mm

OUTLINE DRAWING:



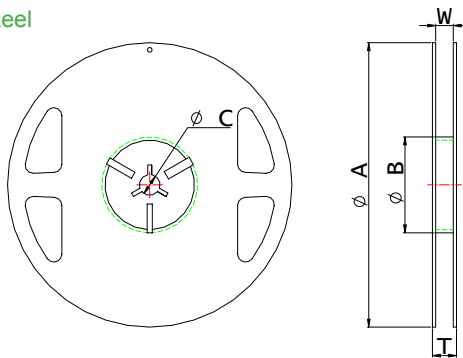
Length (L)	0.063±0.006 (1,60±0,15)
Width (W)	0.031±0.006 (0,80±0,15)
Thickness (T)	0.031±0.006 (0,80±0,15)
Termination (BW)	0.012±0.008 (0,30±0,20)

REFLOW PROFILE:



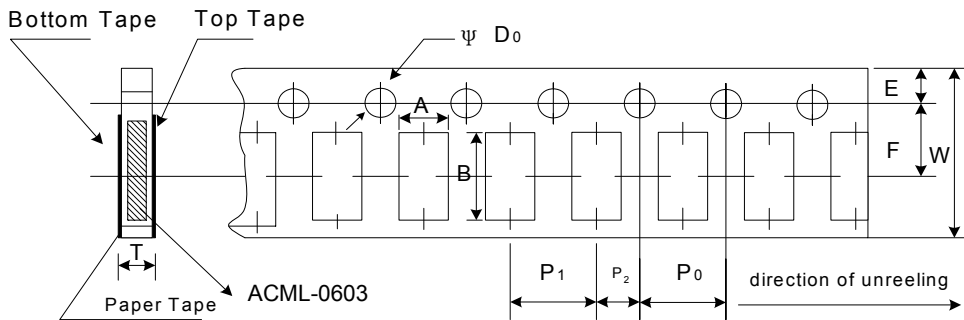
TAPE & REEL: Tape and reel 4,000pcs/reel

Dimensions of Reel



Dimension	mm
A	178±2
B	60±2
C	13.0±0.5
W	10.0±1.15
T	12.0±1.0

Dimensions of Tape



Codes	A	B	W	E	F
ACML-0603	1.05±0.15	1.90±0.15	8.00±0.3	1.75±0.1	3.5±0.05

Codes	P ₀	P ₁	P ₂	ΦD ₀	T
ACML-0603	4.00±0.10	4.00±0.10	2.00±0.05	1.50+0.1/-0	1.0±0.05

Dimension: mm

ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.

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