

SURFACE-MOUNT MULTI-LAYER CHIP BEADS

ACML 0402, 0603, 0805



FEATURES:

- Multi-layer construction
- EMI/RFI suppression

OPTIONS:

- Tape & Reel is standard
- Impedance: Optional values available

APPLICATIONS:

- Wireless communications
- Networking System

STANDARD SPECIFICATIONS:

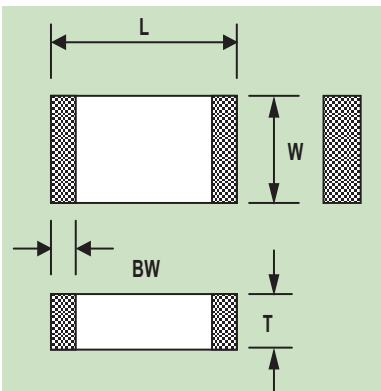
Part Number	Z (Ω) $\pm 25\%$	R _{DC} Ω Max	I _{RATE} mA Max
0402 Series			
ACML-0402-5	5	0.05	500
ACML-0402-7	7	0.05	500
ACML-0402-11	11	0.05	500
ACML-0402-19	19	0.05	300
ACML-0402-31	31	0.25	300
ACML-0402-60	60	0.40	200
ACML-0402-80	80	0.40	200
ACML-0402-120	120	0.50	150
ACML-0402-180	180	0.60	150
ACML-0402-240	240	0.70	125
ACML-0402-300	300	0.80	100
ACML-0402-470	470	0.80	100
ACML-0402-500	500	1.20	100
ACML-0402-600	600	1.50	100
ACML-0402-1000	1000	0.90	100
ACML-0402-1500	1500	1.30	60
0603 Series			
ACML-0603-5	5	0.05	1000
ACML-0603-7	7	0.05	1000
ACML-0603-11	11	0.05	1000
ACML-0603-19	19	0.06	1000
ACML-0603-30	30	0.06	500
ACML-0603-31	31	0.06	500
ACML-0603-60	60	0.10	300
ACML-0603-80	80	0.12	200
ACML-0603-120	120	0.20	200
ACML-0603-180	180	0.30	200
ACML-0603-220	220	0.30	200
ACML-0603-300	300	0.35	200
ACML-0603-500	500	0.45	200
ACML-0603-600	600	0.60	200
ACML-0603-1000	1000	0.70	200
ACML-0603-1500	1500	0.80	100
ACML-0603-2000	2000	1.00	100
ACML-0603-2500	2500	1.20	100

Part Number	Z (Ω) $\pm 25\%$	R _{DC} Ω Max	I _{RATE} mA Max
0805 Series			
ACML-0805-7	7	0.04	2200
ACML-0805-11	11	0.04	2000
ACML-0805-17	17	0.04	2000
ACML-0805-19	19	0.04	2000
ACML-0805-26	26	0.05	1500
ACML-0805-31	31	0.05	1500
ACML-0805-36	36	0.06	1500
ACML-0805-50	50	0.06	1000
ACML-0805-60	60	0.06	1000
ACML-0805-66	66	0.10	1000
ACML-0805-68	68	0.10	1000
ACML-0805-70	70	0.10	1000
ACML-0805-80	80	0.12	1000
ACML-0805-110	110	0.16	900
ACML-0805-120	120	0.18	800
ACML-0805-150	150	0.25	800
ACML-0805-180	180	0.25	600
ACML-0805-220	220	0.25	600
ACML-0805-300	300	0.30	500
ACML-0805-500	500	0.30	500
ACML-0805-600	600	0.40	500
ACML-0805-750	750	0.40	300
ACML-0805-1000	1000	0.45	300
ACML-0805-1200	1200	0.60	200
ACML-0805-1500	1500	0.70	200
ACML-0805-2000	2000	0.88	500

TECHNICAL INFORMATION:

- Testing Frequency: 100MHz except ACML-0805-1000 and up test @ 50MHz
- Equipment: HP4291A or equivalent
- Add -S for high speed signal which provide a sharper roll-off after the desired cut-off frequency
- Refer to Impedance Characteristics Chart.
- Add -H for high current and low DCR, see SCD for details
- Add -T for tape and reel
- Operating Temperature: -40°C to +125°C
- Specification subject to change without notice

PHYSICAL CHARACTERISTICS:



	ACML-0402	ACML-0603	ACML-0805
Length (L)	0.040 \pm 0.006 (1,00 \pm 0,15)	0.063 \pm 0.006 (1,60 \pm 0,15)	0.079 \pm 0.012 (2,00 \pm 0,30)
Width (W)	0.020 \pm 0.006 (0,50 \pm 0,15)	0.031 \pm 0.006 (0,80 \pm 0,15)	0.049 \pm 0.008 (1,25 \pm 0,20)
Thickness (T)	0.020 \pm 0.006 (0,50 \pm 0,15)	0.031 \pm 0.006 (0,80 \pm 0,15)	0.033 \pm 0.008 (0,85 \pm 0,20)
Termination (BW)	0.010 \pm 0.004 (0,25 \pm 0,10)	0.012 \pm 0.008 (0,30 \pm 0,20)	0.020 \pm 0.012 (0,50 \pm 0,30)

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IMPEDANCE VS. FREQUENCY:

