

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:

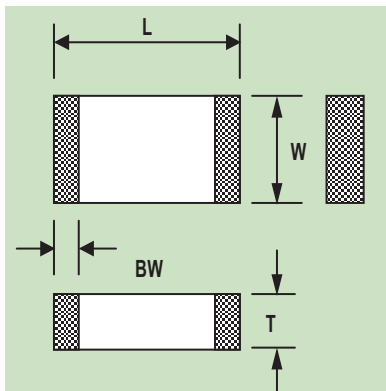
Part Number	Z (Ω) $\pm 25\%$	R _{DC} Ω Max	I _{RATE} mA Max
0402 Series			
ACML-0402-5	5	0.05	500
ACML-0402-7	7	0.05	500
ACML-0402-11	11	0.05	500
ACML-0402-19	19	0.05	300
ACML-0402-31	31	0.25	300
ACML-0402-60	60	0.40	200
ACML-0402-80	80	0.40	200
ACML-0402-120	120	0.50	150
ACML-0402-180	180	0.60	150
ACML-0402-240	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:

