

SURFACE-MOUNT MULTI-LAYER CHIP BEADS

ACML-S SERIES

SHARP IMPEDANCE

FEATURES:

- Multilayer Construction
- Avoid Crosstalk
- Excellent Magnetic Shield
- Excellent Solderability
- High Reliability
- EMI/RFI Suppression
- Sharp $Z(\Omega)$ at Desirable Frequency

OPTIONS:

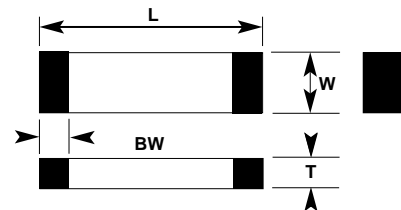
- Tape & Reel is Standard (Qty: 3000 pcs.)
- Bulk Packaging Available for Smaller Quantities
- Impedance: Optional Values Available

COMMON APPLICATIONS:

- Cellular Phones
- Mobile Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System
- Computer Products and Peripherals

STANDARD SPECIFICATIONS				
Part Number	Z (Ω) $\pm 25\%$	Freq MHz	RDC Ω Max	IDC mA Max
0402 Sharp Impedance Series				
ACML-0402-10S	10	100	0.06	500
ACML-0402-31S	31	100	0.20	300
ACML-0402-60S	60	100	0.40	200
ACML-0402-120S	120	50	0.50	200
0603 Sharp Impedance Series				
ACML-0603-75S	75	100	0.60	200
ACML-0603-140S	140	50	0.70	200
ACML-0603-380S	380	30	0.70	200
0805 Sharp Impedance Series				
ACML-0805-5S	5	100	0.20	600
ACML-0805-60S	60	100	0.30	600
ACML-0805-200S	200	70	0.70	600
ACML-0805-1000S	1000	30	0.70	400
ACML-0805-2000S	2000	10	0.80	300
1206 Sharp Impedance Series				
ACML-1206-31S	31	100	0.20	600
ACML-1206-70S	70	100	0.20	600
ACML-1206-200S	200	70	0.20	600
ACML-1206-600S	600	50	0.30	500
ACML-1206-1000S	1000	30	0.40	400
ACML-1206-2000S	2000	10	0.50	300

PHYSICAL CHARACTERISTICS



Dimensions: Inches (mm)

	ACML-0402	ACML-0603
Length (L)	0.040 \pm 0.006 (1.0 \pm 0.15)	0.063 \pm 0.006 (1.6 \pm 0.15)
Width (W)	0.020 \pm 0.006 (0.5 \pm 0.15)	0.031 \pm 0.006 (0.8 \pm 0.15)
Thickness (T)	0.020 \pm 0.006 (0.5 \pm 0.15)	0.031 \pm 0.006 (0.8 \pm 0.15)
Termination (BW)	0.01 \pm 0.004 (0.25 \pm 0.1)	0.012 \pm 0.008 (0.3 \pm 0.2)
	ACML-0805	ACML-1206
Length (L)	0.079 \pm 0.012 (2.0 \pm 0.3)	0.126 \pm 0.008 (3.2 \pm 0.2)
Width (W)	0.049 \pm 0.008 (1.25 \pm 0.2)	0.063 \pm 0.008 (1.6 \pm 0.2)
Thickness (T)	0.033 \pm 0.008 (0.85 \pm 0.2)	0.043 \pm 0.012 (1.1 \pm 0.3)
Termination (BW)	0.02 \pm 0.012 (0.5 \pm 0.3)	0.020 \pm 0.012 (0.5 \pm 0.3)

TECHNICAL INFORMATION:

- Testing: HP4291A
Refer to Impedance Characteristics Chart
- Solderability: 90% of the terminal electrode shall be covered
Preheat: @135°C \pm 15°C for 60 seconds
- Solder Temperature: 230 \pm 5°C
- Operating Temperature: -55°C to +125°C

Note: All specifications subject to change without notice.