

**AXIAL-LEADED, EPOXY-COATED MULTILAYER CERAMIC CAPACITORS**

**DESCRIPTION: MLC AXIAL SERIES (AD TYPE)**

Pro-Cap axial-leaded, epoxy-molded multilayer ceramic capacitors are coated with superior moisture and shock resistant epoxy coating. These capacitors are supplied in both BULK and TAPE & REEL package for automatic insertion and sequencing with axial leaded components. Termination: 100% tin coated copper wire.

**HOW TO ORDER**

**AD 10 ZU 104 M 500 AR**

**AXIAL TYPE:** \_\_\_\_\_

**SIZE CODE:** \_\_\_\_\_

CODE	LENGHT(Max.)	DIAMETER (Max.)
10	3.81mm (0.150")	2.54mm (0.100")
20	5.08mm (0.200")	3.18mm (0.125")

**DIELECTRIC CODE:** \_\_\_\_\_

CODE	DIELECTRIC	CODE	DIELECTRIC
CG	NPO/COG(1B)	ZU	Z5U(2E6)
XR	X7R(2R1)	YV	Y5V(2F4)

**CAPACITANCE CODE:** \_\_\_\_\_

Capacitance expressed in pico farads (pF).  
 First two digits are significant figures.  
 Third digit denotes the number of zeros.  
 A few examples are shown with codes.

( $\mu$ F)	(nF)	CAPACITANCE (pF)	CODE
		1.0 pF	1R0
		4.7 pF	4R7
		10 pF	100
	0.22 nF	220 pF	221
0.022 $\mu$ F	22 nF	22,000 pF	223
0.10 $\mu$ F	100 nF	100,000 pF	104
1 $\mu$ F	1,000 nF	1,000,000 pF	105

**TOLERANCE CODE:** \_\_\_\_\_

CODE	TOLERANCE	CODE	TOLERANCE	CODE	TOLERANCE
C	$\pm 0.25\text{pF}$	J	$\pm 5\%$	Z	$\pm 80\%, - 20\%$
D	$\pm 0.50\text{pF}$	K	$\pm 10\%$	P	$\pm 100\%, - 0\%$
F	$\pm 1\text{pF}$	M	$\pm 20\%$	V	GMV

**RATED VOLTAGE CODE:** \_\_\_\_\_

2 significant digits + number of zeros.

CODE	VOLTAGE
250	25V DC
500	50V DC
101	100V DC
201	200V DC

**PACKAGING CODE:** \_\_\_\_\_

- AR: Axial Taping, reel package
- AB: Axial Taping, bulk package
- ATB: Axial Taping, tape & box Package
- B: Bulk package