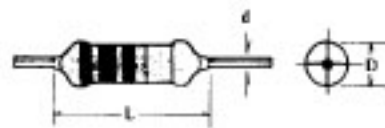


MULTILAYER & TUBULAR AXIAL LEAD CAPACITORS — ORDERING INFORMATION

Size & Dimensions

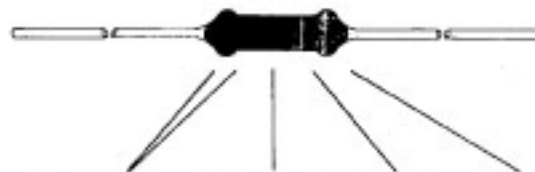
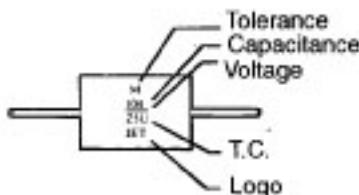
Type	Length(L)max		Diameter(D)max		Lead Wire(d)	
	Inch	mm	Inch	mm	Inch	mm
1510	.15	3.80	.10	2.50	.02	.50
2211	.22	5.50	.11	2.80	.02	.50
2811	.28	7.10	.11	2.80	.024	.60



Part Numbering System

Tubular Type	Multilayer Type	Temperature Characteristics	Normalinal Capacitance	Tolerance
AD1510	AME1510	NPO X7R	100-10PF	J±5%
AE1510	AMF1510	N220 Y5P	101-100PF	K±10%
AF1510	AME2211	N750 Y5R	102-1,000PF	M±20%
AD2811	AMF2211	SL Y5S	103-10,000PF	N±30%
AE2811		Y5V	104-100,000PF	Z±80%-20%
AF2811		Z5U		

Color Code / Marking



Color	1st,2nd Band	Multiplier	Tolerance	Characteristics
Black	0	1	±20%(M)	NPO
Brown	1	10		Y5S
Red	2	100		
Orange	3	1K		
Yellow	4	10K		N220
Green	5			
Blue	6			
Violet	7			N750
Gray	8		±30%(N)	Y5R
White	9		+80-20%(Z)	SL(GP)
Gold	-	0.10	±5%(J)	
Silver	-	0.01	±10%(K)	Y5P

METHOD OF TESTING

Class I (T.C. Type)

Capacitance

Test Frequency:

1MHZ ± 100KHZ For ≤ 1000PF at 25° ± 2° C
 1KHZ ± 100HZ For > 1000PF at 25° ± 2° C

Test Voltage: Shall not exceed 5 Vrms. Max.

Quality Factor (Q)

For NPO to SL When Cap. <30PF Q ≥ 400+20xCap.
 Cap. >30PF Q >1000.
 For Cap above 1000PF at KHZ D.F.: 0.2% Max.

Insulation Resistance

10000 MΩ Min, shall be measured 1 minute after with rated voltage.

Dielectric Withstanding Voltage

Capacitors shall withstand, for not less than 5 seconds, a D.C. test voltage of 2.5 times rated working voltage.

Class II (HI-K Type)

Capacitance

Test Frequency: 1KHZ ± 100HZ at 25° ± 2° C
 Test Voltage : 5Vrms Max. at 25° ± 2° C

Dissipation Factor (D.F.)

The D.F. shall not be greater than 2.5%.

Insulation Resistance

10,000 MΩ Min, shall be measured 1 minute after with rated voltage.

Dielectric Withstanding Voltage

Capacitors shall withstand, for not less than 1 second, a D.C. test voltage of 2.5 times rated working voltage.

Class III (S.C. Type)

Capacitance

Test Frequency: 1KHZ ± 100HZ at 25° ± 2° C
 Test Voltage : Not Greater than 0.1 Vrms.

Dissipation Factor

At 3 VDC shall not exceed 5%, Above 3 VDC shall not exceed 8%

Insulation Resistance

1,000 MΩ Min, Shall be measured 1 minute after with rated voltage.

Dielectric Withstanding Voltage

Capacitors shall withstand, for not less than 5 seconds, a D.C. test voltage of 2 times rated working voltage