

## AY1 Sample Kit

### AC Line Rated Ceramic Disc Capacitors

#### Class X1, 760 V<sub>AC</sub>, Class Y1, 500 V<sub>AC</sub>



The sample kit contains a total of 8 capacitance values with 10 pieces each.

**FEATURES**

- AEC-Q200 qualified
- Withstand more than 1000 temperature cycles (from -55 °C to +125 °C)
- Complies with IEC 60384-14 4<sup>th</sup> edition
- High reliability
- Straight leads
- Singlelayer AC disc safety capacitors
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)



**RoHS**  
COMPLIANT  
HALOGEN  
**FREE**  
**GREEN**  
(5-2008)

SPECIFICATIONS	
Part number	AY1-KIT-GA
Capacitors type	Class X1, 760 V <sub>AC</sub> , Class Y1, 500 V <sub>AC</sub>
Temperature coefficient	Refer to specified ceramic type
Tolerance	20 %
Capacitance range/ E-series	Refer to below table
Number of capacitance values	8
Capacitors per value / total	10 / 80

**Note**

- The products are specified by the underlying datasheet “AY1 Series” in its latest edition at [www.vishay.com/doc?28563](http://www.vishay.com/doc?28563)

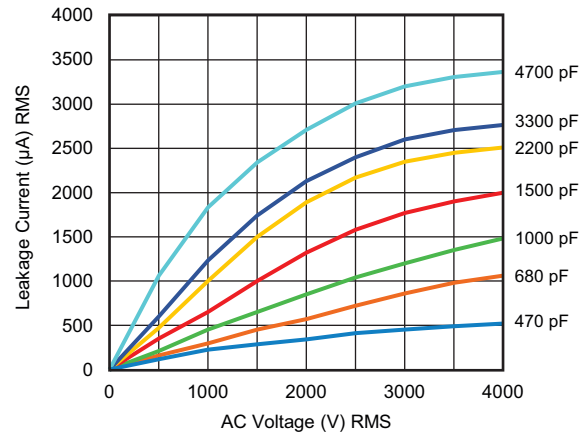
CAPACITANCE VALUE LIST				
PART NUMBER	CAPACITANCE (pF)	TOLERANCE (%)	DIMENSIONS (mm)	LEAD SPACING (mm)
AY1471M31Y5UC63L0	470	20	8.0 x 7.0	10.0
AY1681M35Y5UC63L0	680	20	9.0 x 7.0	10.0
AY1102M37Y5UC63L0	1000	20	9.5 x 7.0	10.0
AY1152M41Y5UC63L0	1500	20	10.5 x 7.0	10.0
AY1222M47Y5UC63L0	2200	20	12.0 x 7.0	10.0
AY1332M57Y5UC63L0	3300	20	14.5 x 7.0	10.0
AY1392M61Y5UC63L0	3900	20	15.5 x 7.0	10.0
AY1472M65Y5UC63L0	4700	20	16.5 x 7.0	10.0

**Note**

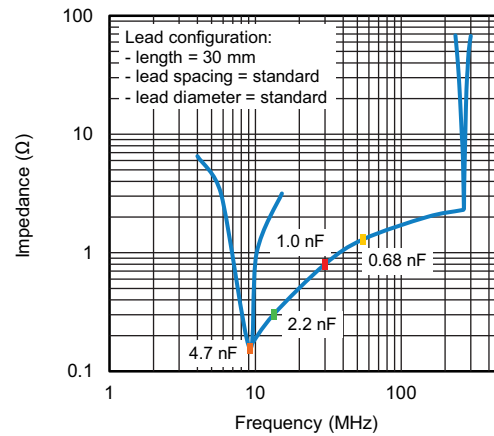
- The product can be ordered using the PART NUMBER



## LEAKAGE CURRENT VS. VOLTAGE (Typical)



## IMPEDANCE VS. FREQUENCY (Typical)



### Note

- The capacitors meet the essential requirements of "EIA 198". Unless stated otherwise all electrical values apply at an ambient temperature of 25 °C ± 3 °C, at normal atmospheric conditions