



## 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)

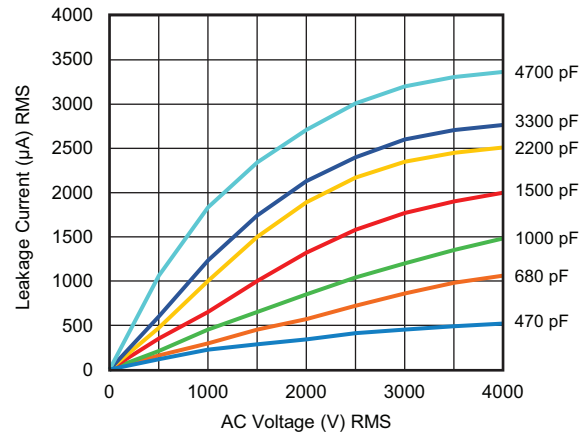
| CAPACITANCE VALUE LIST |                  |               |                 |                   |
|------------------------|------------------|---------------|-----------------|-------------------|
| PART NUMBER            | CAPACITANCE (pF) | TOLERANCE (%) | DIMENSIONS (mm) | LEAD SPACING (mm) |
| 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

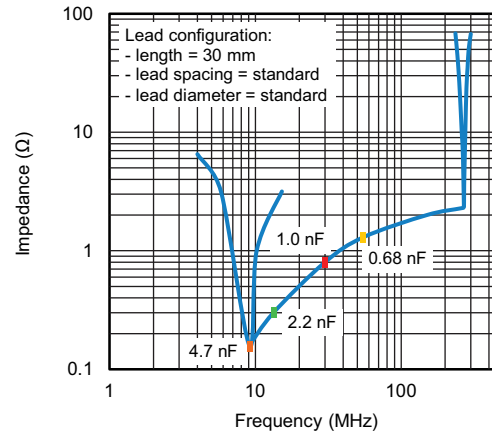
- The product can be ordered using the PART NUMBER



## 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

单击下面可查看定价，库存，交付和生命周期等信息

[>>Vishay\(威世\)](#)