

## AY2 Sample Kit

### AC Line Rated Ceramic Disc Capacitors

#### Class X1, 440 V<sub>AC</sub>, Class Y2, 300 V<sub>AC</sub>



The kit contain total 7 capacitance values, and 10 pieces each value. All parts were loaded as loose packing.

**FEATURES**

- AEC-Q200 qualified
- Temperature cycle: 1000 cycles (-55 °C to +125 °C)
- Complies with IEC 60384-14, 3<sup>rd</sup> edition
- High reliability
- Straight and inline kink 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)



SPECIFICATIONS	
Laboratory kit	AY2-KIT-HF
Capacitors type	Class X1, 440 V <sub>AC</sub> , Class Y2, 300 V <sub>AC</sub>
Temperature coefficient	Refer to specified ceramic type
Tolerance	10 %, 20 %
Capacitance range/E-series	Refer to below table
Number of capacitance values	7
Capacitors per value/total	10/70

**Note**

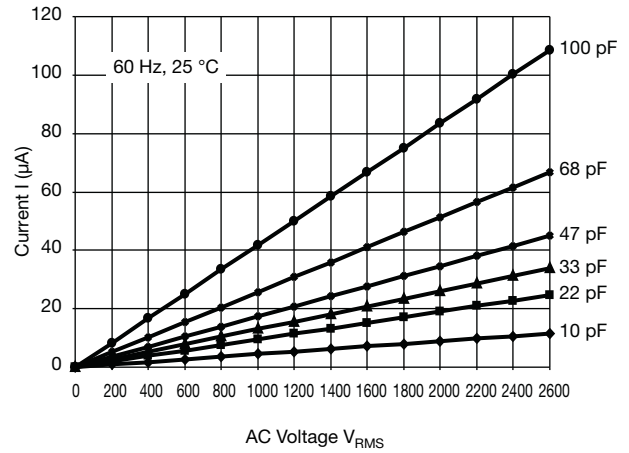
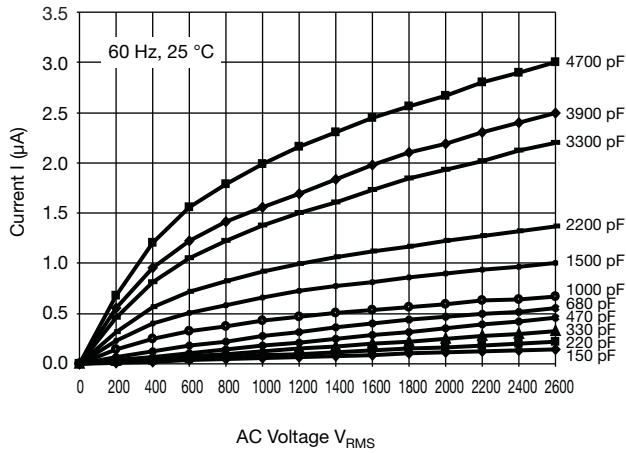
- The products are specified by the underlying standard product's datasheet "AC Line Rated Ceramic Disc Capacitors" in its most current edition at [www.vishay.com/doc?28550](http://www.vishay.com/doc?28550)

CAPACITANCE VALUE LIST				
PART NUMBER	CAPACITANCE (pF)	TOLERANCE (%)	DIMENSIONS (mm)	LEAD SPACING (mm)
AY2101K29Y5SS63L7	100	10	7.5 x 5.0	7.5
AY2221K29Y5SS63L7	220	10	7.5 x 5.0	7.5
AY2471K29Y5SS63L7	470	10	7.5 x 5.0	7.5
AY2102M29Y5US63L7	1000	20	7.5 x 5.0	7.5
AY2222M35Y5US63L7	2200	20	9.0 x 5.0	7.5
AY2332M41Y5US63L7	3300	20	10.5 x 5.0	7.5
AY2472M49Y5US63L7	4700	20	12.5 x 5.0	7.5

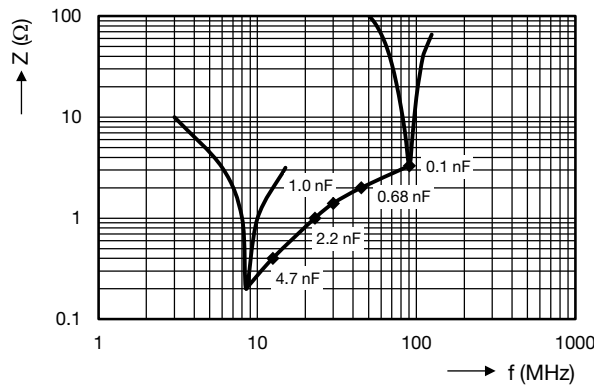
**Note**

- The product can be ordered using the PART NUMBER

**LEAKAGE CURRENT VS. VOLTAGE (Typical)**



**IMPEDANCE VS. FREQUENCY (Typical)**



Lead configuration: length = 30 mm, lead spacing: standard, lead diameter: standard, inline crimp

**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.