

AY2 Sample Kit

AC Line Rated Ceramic Disc Capacitors

Class X1, 440 V_{AC}, Class Y2, 300 V_{AC}



The sample kit contains a total of 7 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 4th 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



RoHS
COMPLIANT
HALOGEN
FREE
GREEN
(5-2008)

SPECIFICATIONS

Part number	AY21-KIT-HF
Capacitors type	Class X1, 440 V _{AC} , Class Y2, 300 V _{AC}
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 datasheet “AY2 Series” in its latest edition at www.vishay.com/doc?28550

CAPACITANCE VALUE LIST

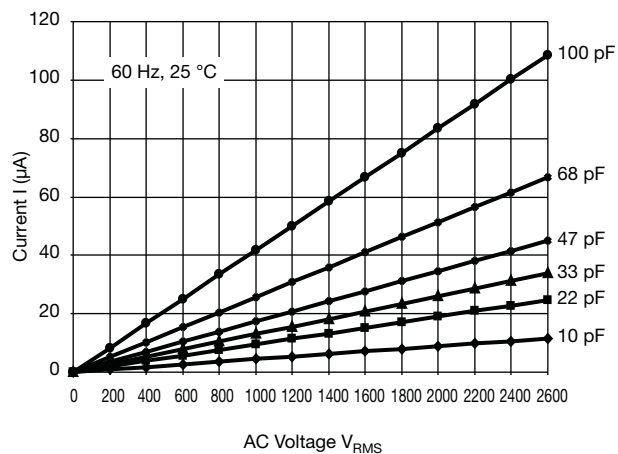
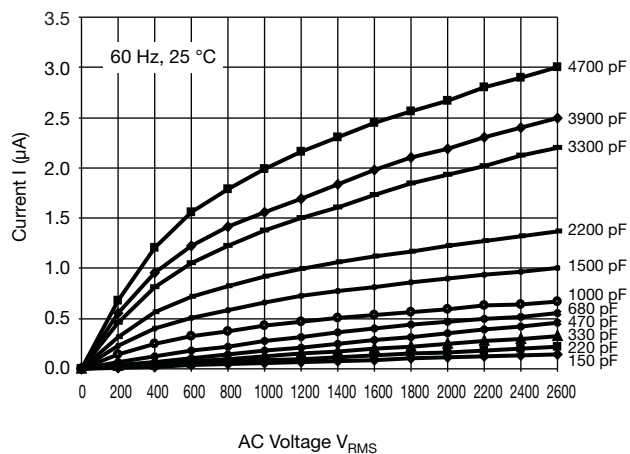
PART NUMBER	CAPACITANCE (pF)	TOLERANCE (%)	DIMENSIONS (mm)	LEAD SPACING (mm)
AY2101K29Y5SS63L7	100	10	7.5 x 5.0	7.5
AY2221K29Y5SS63L7	220	10	7.5 x 5.0	7.5
AY2471K29Y5SS63L7	470	10	7.5 x 5.0	7.5
AY2102M29Y5US63L7	1000	20	7.5 x 5.0	7.5
AY2222M35Y5US63L7	2200	20	9.0 x 5.0	7.5
AY2332M41Y5US63L7	3300	20	10.5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

Note

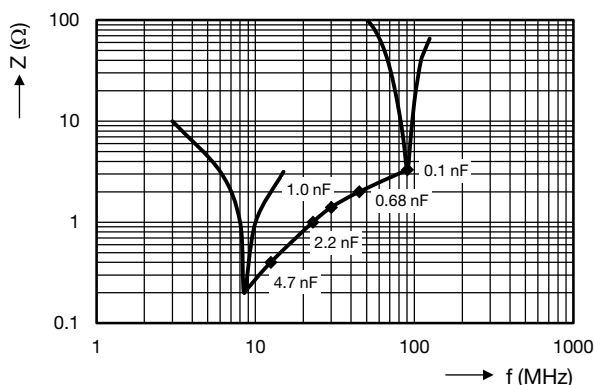
- The product can be ordered using the PART NUMBER



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 $25\text{ °C} \pm 3\text{ °C}$, at normal atmospheric conditions.