

AY1 Sample Kit

AC Line Rated Ceramic Disc Capacitors

Class X1, 760 V_{AC}, Class Y1, 500 V_{AC}



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 4th edition
- High reliability
- Straight 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	AY1-KIT-GA
Capacitors type	Class X1, 760 V _{AC} , Class Y1, 500 V _{AC}
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

CAPACITANCE VALUE LIST

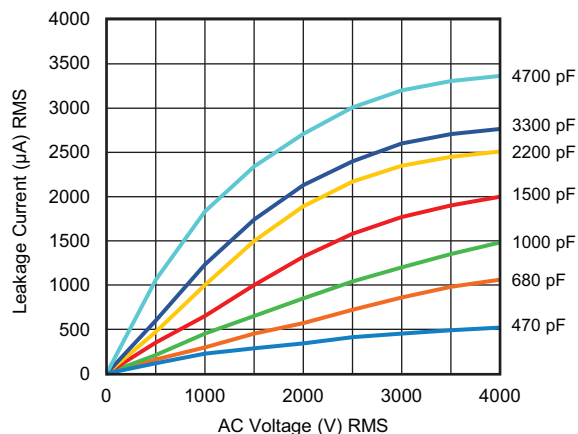
PART NUMBER	CAPACITANCE (pF)	TOLERANCE (%)	DIMENSIONS (mm)	LEAD SPACING (mm)
AY1471M31Y5UC63L0	470	20	8.0 x 7.0	10.0
AY1681M35Y5UC63L0	680	20	9.0 x 7.0	10.0
AY1102M37Y5UC63L0	1000	20	9.5 x 7.0	10.0
AY1152M41Y5UC63L0	1500	20	10.5 x 7.0	10.0
AY1222M47Y5UC63L0	2200	20	12.0 x 7.0	10.0
AY1332M57Y5UC63L0	3300	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

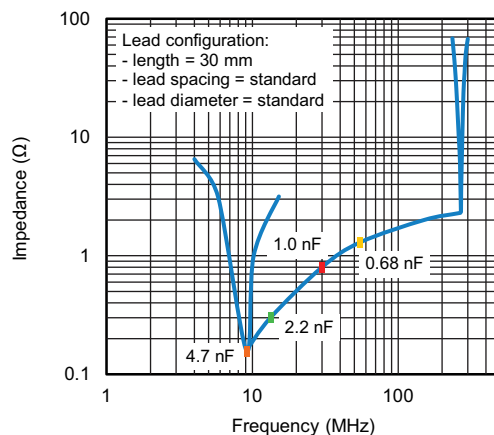
- The product can be ordered using the PART NUMBER



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 $25^\circ\text{C} \pm 3^\circ\text{C}$, at normal atmospheric conditions

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