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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Mini Sized VY2...Y5V Sample Kit AC Line Rated Ceramic Disc Capacitors Class X1, 440 V<sub>AC</sub>, Class Y2, 300 V<sub>AC</sub>



### FEATURES

- Singlelayer AC disc safety capacitors
- Complies with IEC 60384-14 4<sup>th</sup> edition
- Mini size (Y5V ceramic material)
- High reliability
- Vertical (inline) kinked or straight leads
- 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)

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

SPECIFICATIONS	
Part number	VY2-KIT-MS
Capacitors type	Class X1, 440 V <sub>AC</sub> , Class Y2, 300 V <sub>AC</sub>
Temperature coefficient	Y5V (2F3)
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 “VY2 Series” in its latest edition at [www.vishay.com/doc?28535](http://www.vishay.com/doc?28535)

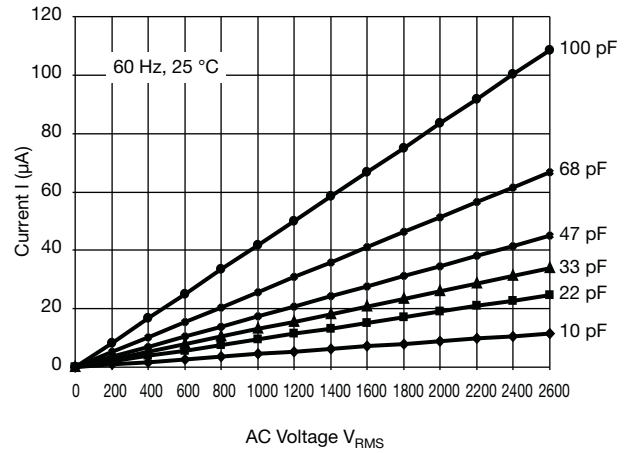
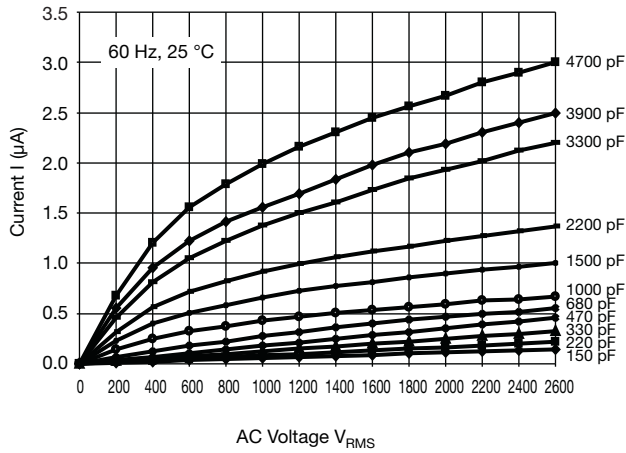
CAPACITANCE VALUE LIST				
PART NUMBER	CAPACITANCE (nF)	TOLERANCE (%)	DIMENSIONS (mm)	LEAD SPACING (mm)
VY2102M29Y5VS63V7	1.0	20	7.5 x 5.0	7.5
VY2152M29Y5VS63V7	1.5	20	7.5 x 5.0	7.5
VY2222M31Y5VS63V7	2.2	20	8.0 x 5.0	7.5
VY2332M35Y5VS63V7	3.3	20	9.0 x 5.0	7.5
VY2392M39Y5VS63V7	3.9	20	10.0 x 5.0	7.5
VY2472M41Y5VS63V7	4.7	20	10.5 x 5.0	7.5
VY2682M47Y5VS63V7	6.8	20	12.0 x 5.0	7.5
VY2103M59Y5VS63V0	10	20	15.0 x 5.0	10

### Note

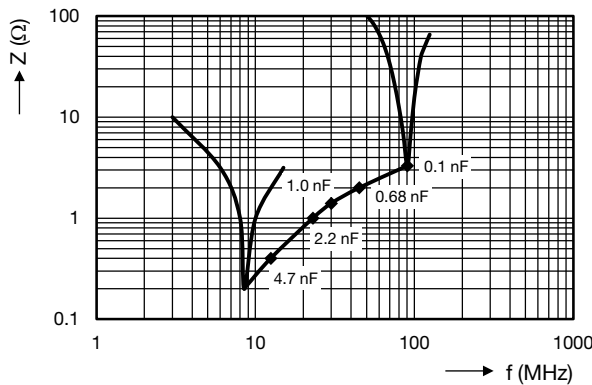
- The product can be ordered using the PART NUMBER



### 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.