



CAPABILITIES AND CUSTOM OPTIONS

LEADED CERAMIC SAFETY CAPACITORS

Feature	Series	Advantage
Automotive Grade	AY2	Highest reliability secured by AEC-Q200 qualification and more severe Vishay Automotive Grade requirements*
3000 temperature cycles	AY2	Three times more than required by AEC-Q200 standard, resulting in extended reliability and lifetime
Biased humidity test 85 / 85 for 1000 hours	VY1 Compact AY2	Increased reliability in harsh environmental conditions
10 kV pulse load	VY1 Compact	Highest reliability against lightning pulses
Extremely high capacitance values (Y1 up to 20 nF)	440L	Less components required on the PCB and space saving
Mini size	VY...Y5V	Space saving



SPECIALTY DEVICES

Lead Wire Materials	Lead Wire Configuration	440L	VY1 Compact
<ul style="list-style-type: none"> Copper-clad steel (standard) Nickel Copper 	<ul style="list-style-type: none"> Straight leads Inline kink Inside kink Outside kink Flat-bend kink Snap-in 	<ul style="list-style-type: none"> 10 nF Y1 20 nF Y1 	<ul style="list-style-type: none"> Copper electrodes 85 / 85 for 1000 hours biased humidity 10 kV pulse load

TARGET APPLICATIONS

VY... series	AY... series
<ul style="list-style-type: none"> Power supplies Solar inverters Smart meters 	<ul style="list-style-type: none"> On-board chargers Charging stations Battery management

* For more details on the Automotive Grade requirements please see www.vishay.com/doc?99906