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Vishay Introduces New Halogen-Free Safety Capacitors

Vishay is introducing two new series of AC line rated ceramic disc capacitors with a halogen-free, flame retardant epoxy coating that meets the IEC 61249-2-21 standard. The new high-reliability devices feature a through-hole construction with silver plating on both sides of a ceramic disc. The devices can be supplied with vertical kinked or straight leads.

The new halogen free VY1 series features Class X1 760 V_{AC} and Class Y1 500 V_{AC} devices with a capacitance range of 10 pF to 4.7 nF. The new halogen free VY2 series features Class X1 440 V_{AC} and Class Y2 300 V_{AC} devices with a capacitance range of 10 pF to 10 nF. Dielectric strength is 4000 V_{AC} for the VY1 series and 2600 V_{AC} for the VY2 series devices. Both series are safety rated according to IEC 60384-14 (3rd edition), UL1414, CSA22.2, and CQC. Applications for the new devices will include AC line filtering, primary-second coupling on switching power supplies and AC adapters, and antenna coupling. The devices are compliant to RoHS Directive 2002/95/EC and in accordance to WEEE 2002/96/EC.

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