

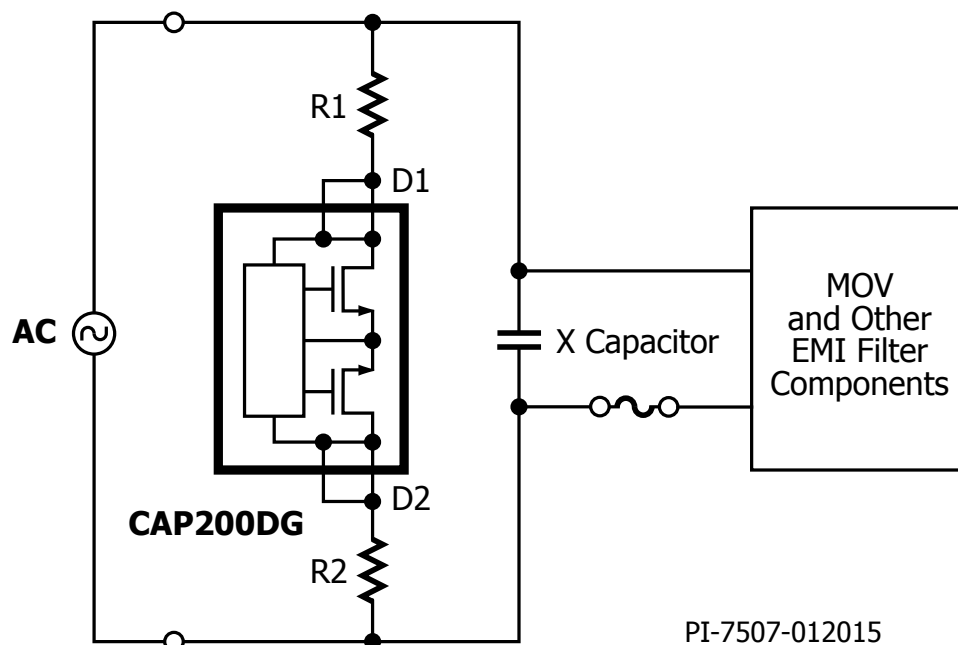
CAPZero™-2



Key Features

- Dramatically reduces no-load and standby power
- One part for 0.1 μF to 6 μF X capacitor
- High-line surge immunity of 6 kV
- NEMKO and CB safety certifications

Zero Loss Automatic X Capacitor Discharge IC



Applications

- AC-DC converters with X capacitors of 100 nF up to 6 mF
- Appliances requiring EuP Lot 6 compliance
- Adapters requiring ultra-low no-load consumption
- Converters requiring very low standby power
- Lossless generation of zero crossing signal

Component Table

Part Number	BV _{DSS}	Total X Capacitance	Total Series Resistance (R1 + R2)
CAP200DG	1000 V	100 nF to 6 μ F	7.5 M Ω to 142 k Ω



SO-8 D Package

Design Support

- Data Sheet CAPZero-2 data sheet (<http://bit.ly/2AZuBGi>)
- Application Note CAPZero design considerations (AN-48) (<http://bit.ly/2AVWMpV>)
- Design Example 45 W flyback converter with lossless zero crossing circuit (DER-581) (<http://bit.ly/2Eisd1v>)
- White Paper Reducing Idle Losses While Meeting IEC 62368-1 Using CAPZero-2 (<http://bit.ly/2L1Bufd>)