



GreenChip X Capacitor Discharge IC

TEA1708T

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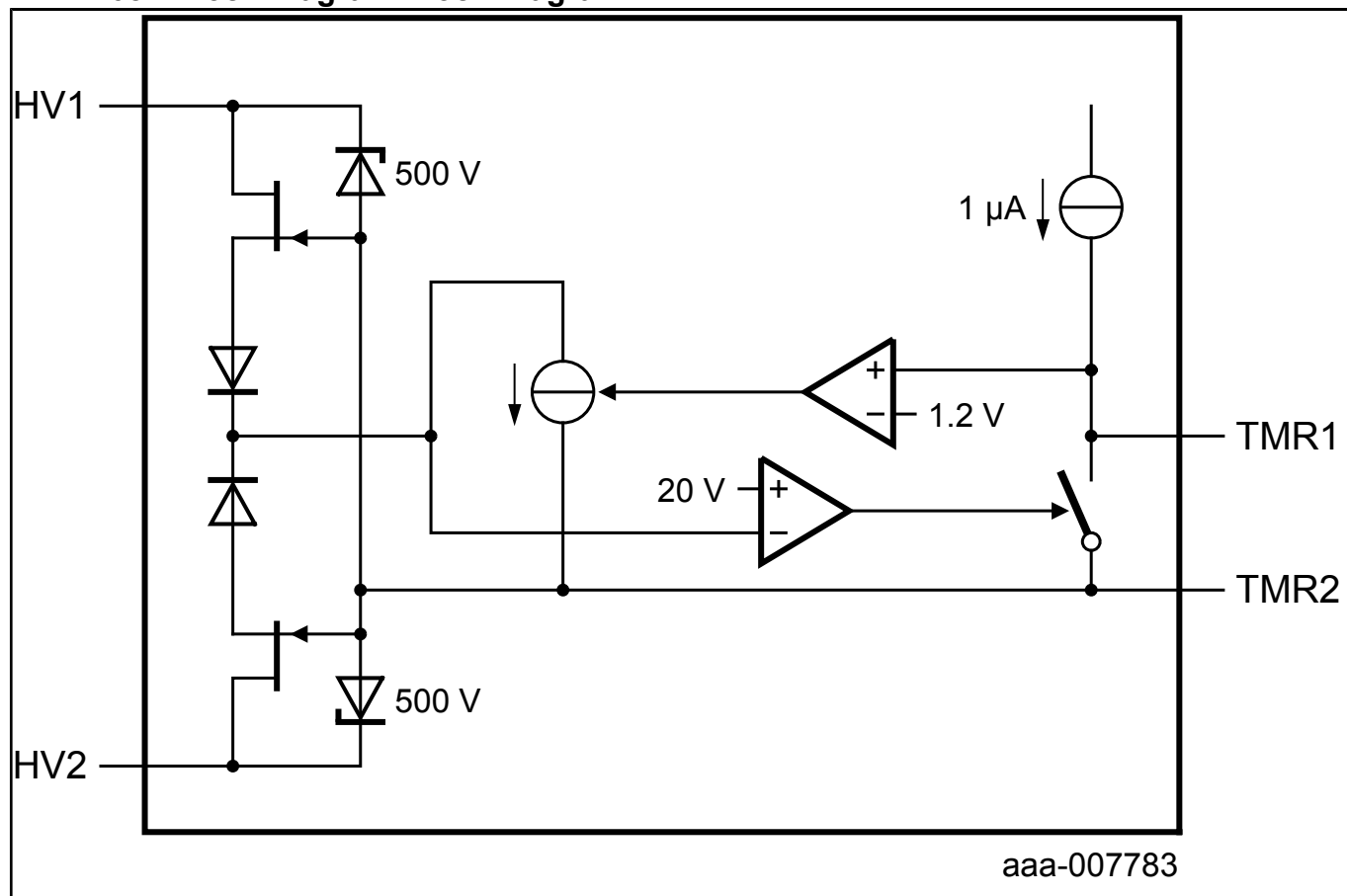
The TEA1708 is an automatic discharge IC for X capacitors with a low power consumption (typically 1 mW at 230 V (AC)).

A 500 V clamping circuit is integrated, protecting the IC during mains surges. In a typical application with only two 200 k resistors, the maximum differential mode mains surge voltage allowed exceeds 6 kV. A metal oxide varistor is not required to protect the IC.

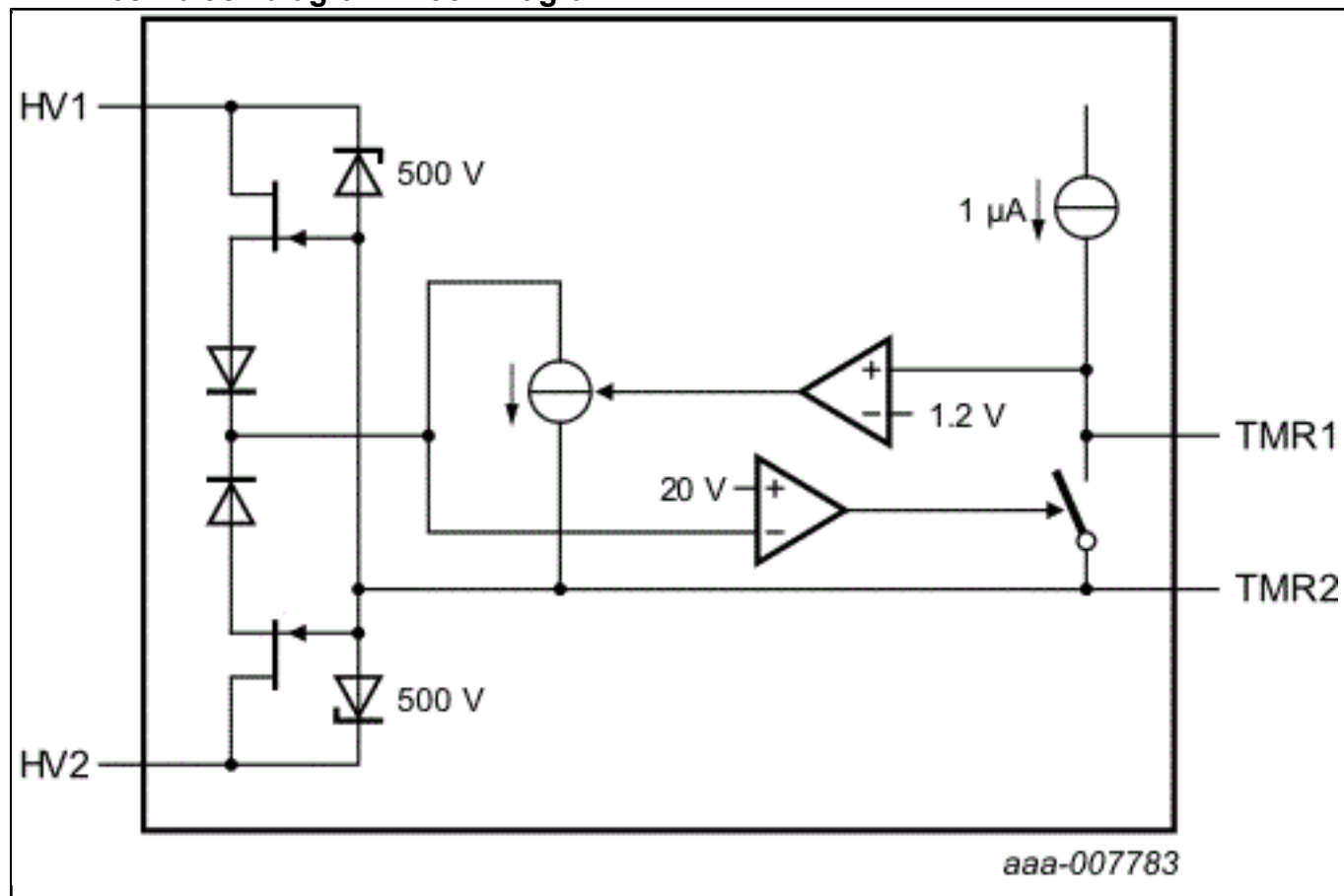
The X capacitor discharge current is internally limited to 2.3 mA. The discharge delay timer is set externally using a low voltage capacitor.

The very low power consumption in combination with a large discharge current enables the use of a large value X capacitor to reduce EMI while retaining the low standby power.

TEA1708T Block Diagram Block Diagram



TEA1708T block diagram Block Diagram



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