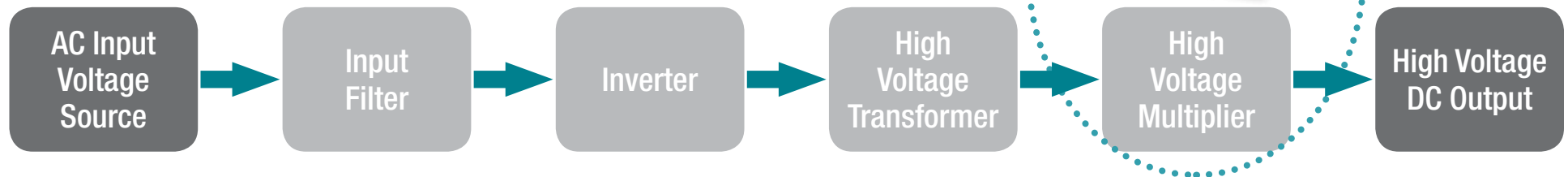
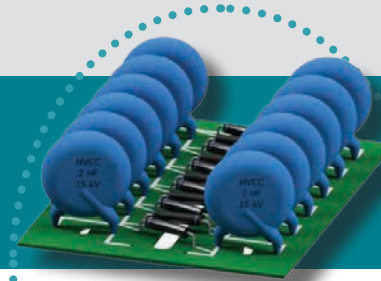





THE VISHAY ADVANTAGE AND WHY IT MATTERS... VOLTAGE MULTIPLIER APPLICATIONS

High Voltage Ceramic Capacitors Radial-Leaded Single-Layer Disc



Product Family	Advantage	Why it Matters (Benefit to the Engineer)	Where Should it Be Considered	Best Parameter / Example
	High capacitance value of 2 nF	There is no other high voltage capacitor with a capacitance value as high as 2 nF. If 2 nF is needed, a design with two 1 nF caps in parallel is no longer necessary. This saves space and reduces assembly costs while improving reliability.	<p>In applications facing space constraints</p> <p>Applications that require low ripple DC output voltage</p>	<p>Rated voltage: 15 kV_{DC}</p> <p>Capacitance value: 2 nF</p> <p>Dissipation factor: < 1.5 %</p>

Other Customer Benefits	How Is This Achieved?	Example Device / Details	Comments
Guaranteed load life performance 1.25 x U _{Rated} @ 105 °C 1000 h	Perfect adhesion of the coating to the ceramic disc	First failures at 30 kV _{DC} in +105 °C hot oil after 2000 hours	End of life above 5000 hours
Low dissipation factor < 1.5 %	High quality ceramic dielectric along with optimized firing parameters	Capacitance values ≤ 1 nF have dissipation factors < 1 % over the whole operating temperature range of -30 °C to +105 °C	Self-heating is reduced to a minimum