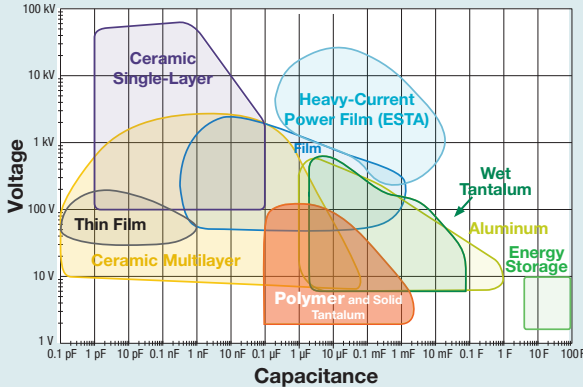




POWER ELECTRONIC CAPACITORS

HIGH RELIABILITY AND LIFETIME

VISHAY CAP MAP



STANDARDS
IEC 61071, IEC 61881-1



VOLTAGE DC

- 750 VDC to 10000 VDC



CAPACITANCE

- 50 uF to 20000 uF



LIFE EXPECTANCY

- < 100 Fit
- > 250 kh @ Undc / < 70 °C



FILLING AGENT

- ESTAdry resin



CASE MATERIAL

- Stainless steel (1.4301)
- Aluminum



FINISH

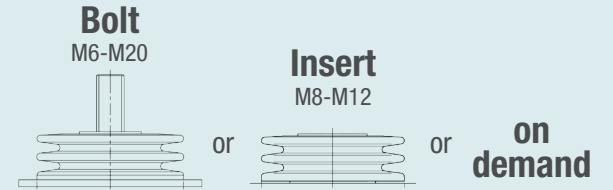
- Painting
- Shot blasting
- Chemical treatment



FEATURES

- High impulse current rating
- Low inductance
- High reliability and lifetime expectation
- Resistance to heavy duty shock vibration
- Non-polar dielectric
- Dry resin filled

CONNECTION



SAFETY

- Self-healing film
- Segmented film
- Pressure valve
- Pressure switch

OPTIONS



APPLICATIONS

- DC-Link capacitors for HVDC / STATCOM
- Static converters for transportation:
 - Heavy haul locomotives
 - Light local trains
 - Trolley buses
 - Trams / streetcars
- Industrial converters
- DC supply equipment
- High voltage testing systems
- Impulse discharge energy
- Harmonic filtering



HVDC TRANSMISSION



INDUSTRIAL



TRANSPORTATION



WIND TURBINES

For Technical Questions: esta@vishay.com

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