



REQUEST FOR POWER ELECTRONIC CAPACITORS		
REQUEST FOR QUOTATION FOR PECs	EXAMPLE / UNIT	CUSTOMER INPUT
PROJECT	Name	
APPLICATION	AC/DC, filter, etc.	
ENVIRONMENTAL	Humidity, sea water, altitude	
OUTLINE	Rectangular / tubular	
QUANTITY ⁽¹⁾ (info about project / sample order quantity, prices are depending on the quantity)	pcs, pcs/a	
APPLICABLE STANDARDS ⁽¹⁾ (IEC 61071 is standard for industrial, IEC 61881-1 is standard for traction / railway)	IEC 61071, IEC 61881-1	
TECHNOLOGY	All film, metallized PP, etc.	
IMPREGNATION AGENT	Dry resin, castor oil, synthetic oil	
RATED CAPACITANCE ⁽¹⁾ (mandatory main parameter of capacitors)	μF	
CAPACITOR TOLERANCE ⁽¹⁾ (as a standard value we are using $\pm 10\%$ and $\pm 5\%$)	$\pm \%$	
RATED A.C. VOLTAGE (only for AC capacitors) ⁽¹⁾ (it is the peak voltage of your AC application)	V_{AC}	
RATED D.C. VOLTAGE ⁽¹⁾ (only for DC capacitors) (it is the DC voltage your capacitor has to handle. The rated DC voltage already includes the ripple voltage)	V_{DC}	
RIPPLE VOLTAGE (only for DC capacitors) ⁽¹⁾ (it is the peak to peak alternating component of the rated DC voltage)	V_{pp}	
RATED FREQUENCY (AC) (only for AC capacitors) ⁽¹⁾ (as a standard it is 50 Hz / 60 Hz)	Hz	
RIPPLE FREQUENCY (only for DC capacitors) ⁽¹⁾ (it is the frequency of the alternating ripple voltage)	Hz	
MAXIMUM PEAK CURRENT (\hat{i})	kA	
MAXIMUM RMS CURRENT ($I_{max.}$) ⁽¹⁾ (it is the maximum RMS current for continuous operation)	A_{RMS}	
MAXIMUM SURGE CURRENT (\hat{i}_s)	kA	
SERIES RESISTANCE	$m\Omega$	
SELF INDUCTANCE	nH	
OPERATING MINIMUM TEMPERATURE OR PROFILE ⁽¹⁾ (it is the minimum temperature during operation. - Dry type capacitors -40 °C - Oil type capacitors -25 °C)	°C / °C per period	
OPERATING MAXIMUM TEMPERATURE OR PROFILE ⁽¹⁾ (it is the maximum temperature during operation. The maximum hotspot must not exceed +85 °C. A temperature profile will be highly appreciated)	°C / °C per period	

Note

⁽¹⁾ Mandatory input. In case of no input, the design is based on IEC and Vishay standard



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INSTALLATION	Indoor / outdoor	
DIMENSION (avoid cubical design)	mm	
WEIGHT	kg	
NUMBER OF BUSHINGS	n	
CREEPAGE DISTANCE	mm	
FLASHOVER DISTANCE	mm	
TERMINAL	M8, M10, M12, M16	
CASE MATERIAL	Stainless steel, aluminum	
POLLUTION DEGREE (PD)	I, II, III	
RAL CODE (only stainless steel)	RAL 7033	
VIBRATION	m/s ²	
EARTHING STUD	Yes, no	
PRESSURE RELIEF VALVE	Yes, no	
PRESSURE MONITORING DEVICE	Yes, no	
ROUTINE TEST UT/T	Standard, customer specific value	
ROUTINE TEST UT/C	Standard, customer specific value	
LIFE EXPECTANCY	Hours	
FAILURE RATE	FIT	
OTHERS		

Note

(1) Mandatory input. In case of no input, the design is based on IEC and Vishay standard