



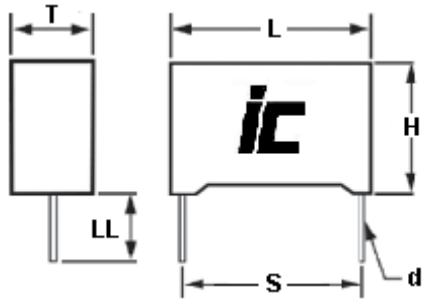
#### FEATURES

High Pulse Currents - High voltage

#### APPLICATIONS

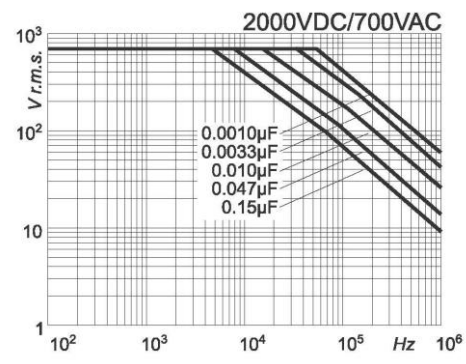
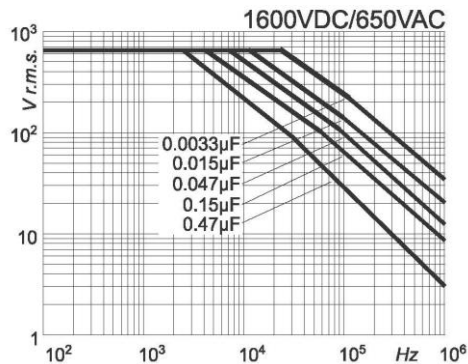
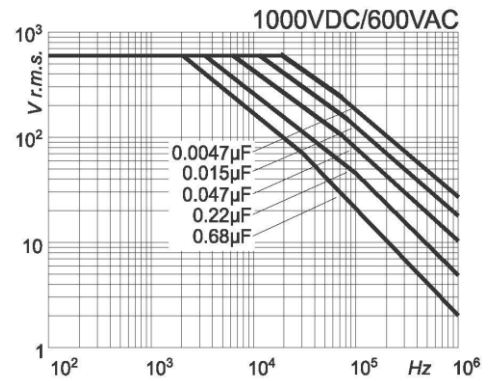
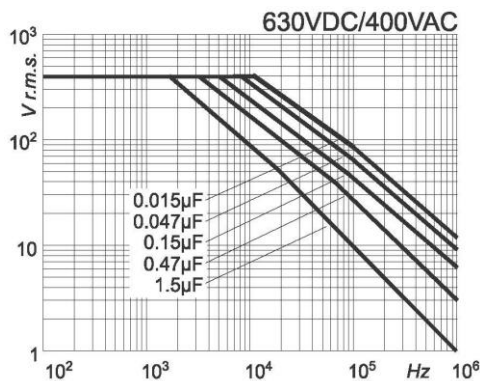
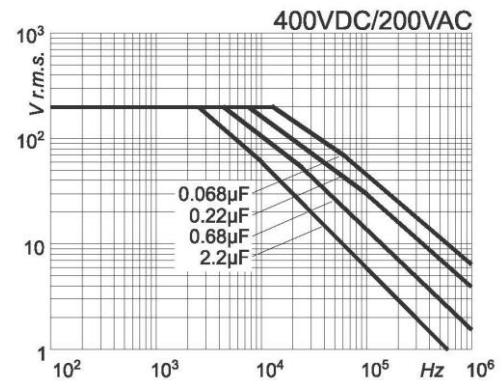
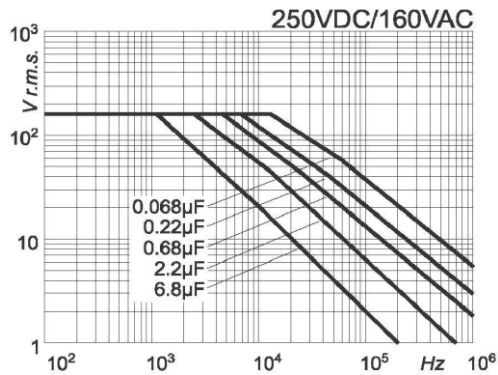
Power Semiconductor Circuits - SCR Commutation  
Ballast controls - Switching Power Supplies

Operating Temperature Range	<b>-55°C to +105°C</b>						
Capacitance Tolerance	±10% at 1 kHz, 25°C +5% optional						
AC voltage (50/60 Hz)	WVDC	250	400	630	1000	1600	2000
	VAC	160	200	400	630	650	700
For T>+85°C, The voltage (DC/AC) must be decreased by (1.5/2.25)% per °C							
Dissipation Factor (MAX) 25°C	Frequency (kHz)	C<0.1uF	0.1uF<C<1uF	C>1uF			
	1	0.05%	0.04%	0.05%			
	10	0.05%	0.06%	-			
Insulation Resistance @25°C (<70% RH) for 1 minute at 100VDC applied	Capacitance	Insulation Resistance					
	≤0.33µF	100000 MΩ					
	>0.33µF	30000 MΩxµF					
Self Inductance	<1 nano-Henry per mm of lead spacing						
Capacitance Drift Factor	<0.5% after 2 years at 40°C						
Load Life	<b>2000 Hours, +85°C with 125% of rated voltage</b>						
	Capacitance Change	<1% of initially measured value					
	Dissipation Factor	≤0.001 at 10kHz and 25°C for C≤1uF ≤0.001 at 1kHz and 25°C for C>1uF					
Insulation Resistance	≥50% of maximum specified value						
Reliability (0.5xRated Voltage, 40°C) 1 FIT=1 failure/1 billion component hours	2 Fit, VDC≤400 WVDC 1 Fit, VDC>400 WVDC						
	Capacitance Change	<10% of initially measured value					
	Dissipation Factor	<200% of initially specified value					
Insulation Resistance	≥50% of maximum specified value						
Damp Heat test	<b>56 days at 40°C with 90 to 95%RH, +40°C and no voltage applied</b>						
	Capacitance Change	≤5% of initially measured value					
	Dissipation Factor	≤0.005 at 1kHz and 25°C					
Insulation Resistance	≥50% of maximum specified value						
Self Inductance	<1 nano-Henry per mm of lead spacing						
Capacitance Drift Factor	<0.5% after 2 years at 40°C						
Capacitance Temperature Coefficient	-200 ppm/°C, ±100ppm/°C						
Dielectric Strength	Terminal to Terminal			Terminal to case			
	160% of rated VDC or 150% VAC applied for 2 Seconds and 25°C			3kVAC @ 50/60 Hz applied between terminals and case for 60 seconds at 25°C			
Dielectric Construction	Polypropylene Metallized film						
Plastic Case and Epoxy Resin	Flame Retardant materials (UL 94V-0)						
Leads	Lead free tinned copper leads						



L	18	26.5	32	42.5
S	15	22.5	27.5	37.5
d	0.8	0.8	0.8	1.0
LL	5.0±1.0	5.0±1.0	30±5.0	30±5.0

Permissible (sinusoidal) AC voltage versus frequency for a temperature rise of 10°C  
Not for across the line applications





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