

ANODE HIGH VOLTAGE FOIL

ELECTROMECHANICAL SPECIFICATIONS FOR ETCHED ANODE HIGH VOLTAGE FOILS

Foil type	Parameter values			
	Capacitance at $U_F = 400V$, $\mu F/cm^2$	Thickness, μm	Bending test, number ($r = 0.5$ mm)	Bursting test, kgf/cm, min
AB2/0,080	0.295	80	35	1.4
AB3/0,080	0.355	80	35	1.1
AB4/0,080	0.415	80	35	1.1
AB5/0,080	0.495	80	20	1.1
AB6/0,080	0.585	80	20	1.1
AB7/0,100	0.740	100	20	1.1
AB7/0,110	0.740	110	20	1.1
AB8/0,110	0.850	110	20	1.1

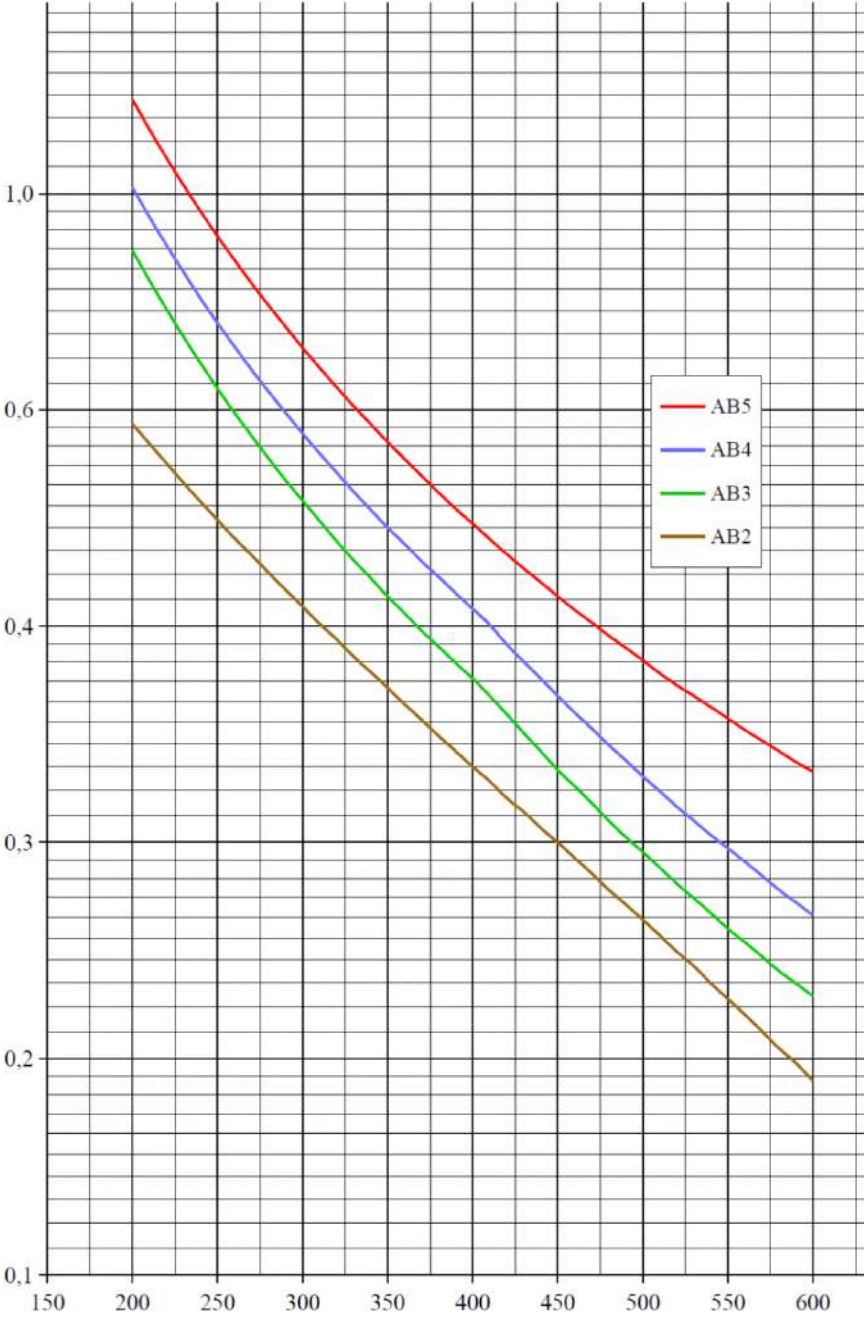
NOMINAL CAPACITANCES VERSUS FORMING VOLTAGES OF HIGH VOLTAGE ANODE FOILS

U_F , V	Nominal capacitances, $\mu F/cm^2$			
	AB2/0.080-4	AB3/0.080-4	AB4/0.080-4	AB5/0.080-4
200	0.610	0.885	1.015	1.220
210	0.585	0.830	0.950	1.145
220	0.565	0.780	0.895	1.080
230	0.540	0.735	0.845	1.020
240	0.520	0.695	0.800	0.965
250	0.500	0.660	0.760	0.915
260	0.480	0.625	0.720	0.870
270	0.465	0.595	0.685	0.825
280	0.445	0.570	0.655	0.790
290	0.430	0.545	0.625	0.755
300	0.415	0.520	0.600	0.720
310	0.400	0.500	0.575	0.690
320	0.385	0.475	0.550	0.660
330	0.375	0.460	0.530	0.635
340	0.360	0.440	0.510	0.610

350	0.350	0.425	0.490	0.590
360	0.335	0.410	0.475	0.570
370	0.325	0.395	0.455	0.550
380	0.315	0.380	0.445	0.530
390	0.305	0.375	0.425	0.510
400	0.295	0.355	0.415	0.495
410	0.285	0.345	0.400	0.480
420	0.275	0.330	0.385	0.460
430	0.265	0.315	0.370	0.450
440	0.255	0.305	0.355	0.435
450	0.250	0.295	0.345	0.425
460	0.245	0.285	0.330	0.410
470	0.235	0.275	0.320	0.400
480	0.225	0.265	0.310	0.390
490	0.220	0.255	0.300	0.380
500	0.215	0.245	0.290	0.370
510	0.205	0.240	0.280	0.360
520	0.200	0.230	0.270	0.355
530	0.195	0.225	0.265	0.345
540	0.185	0.215	0.255	0.335
550	0.180	0.210	0.250	0.325
560	0.175	0.205	0.240	0.320
570	0.170	0.195	0.235	0.310
580	0.160	0.190	0.225	0.305
590	0.155	0.185	0.220	0.300
600	0.150	0.180	0.215	0.295
Capacitance tolerance $\pm 10\%$				

FORMED FOILS CAPACITANCES VERSUS FORMING VOLTAGE.

Specific capacitance, $\mu\text{F}/\text{cm}^2$



Forming voltage, V

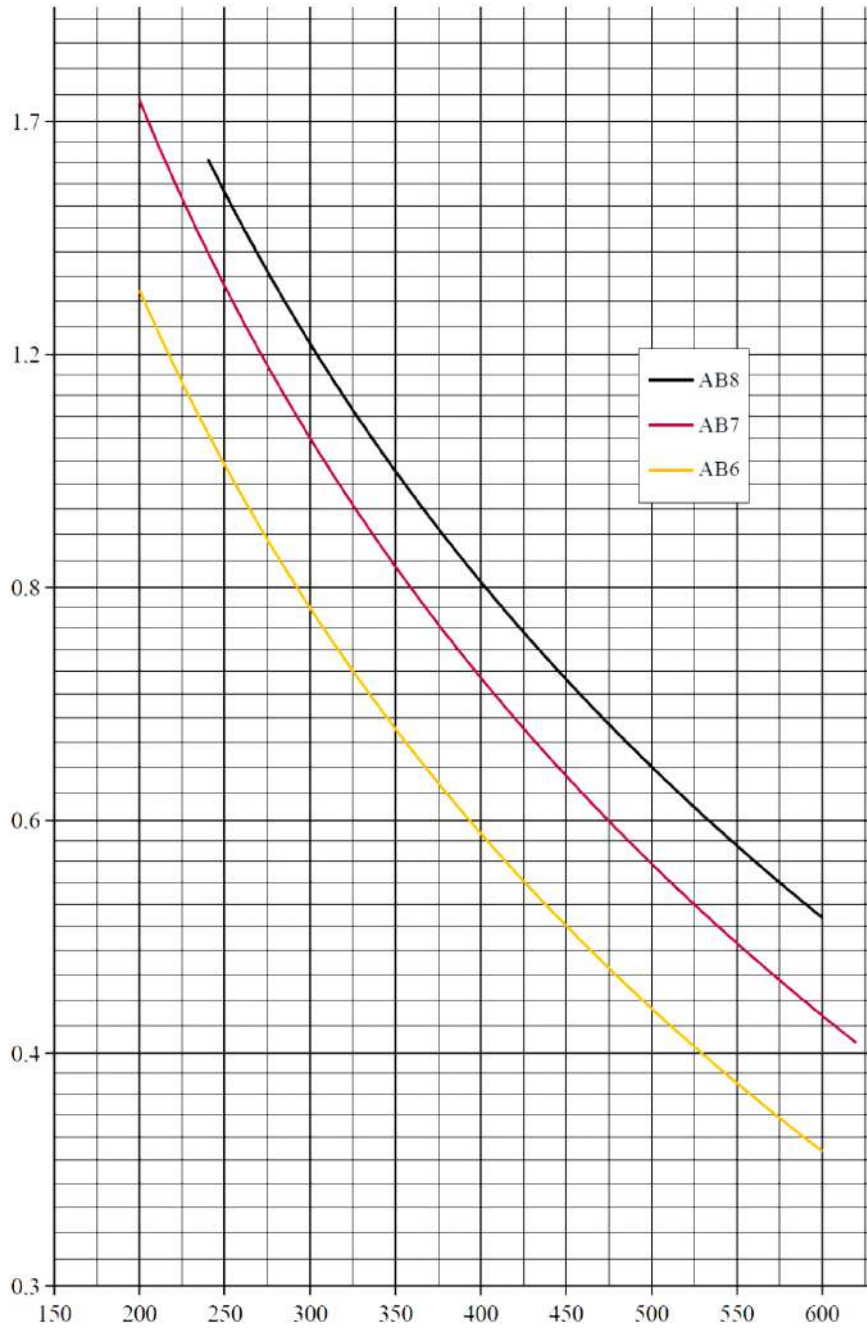
NOMINAL CAPACITANCES VERSUS FORMING VOLTAGES OF HIGH VOLTAGE ANODE FOILS

U _F , V	Nominal capacitances, uF/cm ²		
	AB6/0.080-4	AB7/0.100-4 AB7/0.110-4	AB8/0.110-4
200	1.315	1.74	
210	1.24	1.64	
220	1.175	1.55	
230	1.115	1.46	
240	1.065	1.39	1.595
250	1.015	1.32	1.52
260	0.97	1.26	1.44
270	0.925	1.21	1.38
280	0.89	1.15	1.32
290	0.855	1.10	1.265
300	0.82	1.055	1.215
310	0.79	1.015	1.165
320	0.76	0.975	1.12
330	0.735	0.940	1.08
340	0.71	0.905	1.04
350	0.685	0.87	1.005
360	0.67	0.84	0.97
370	0.64	0.815	0.94
380	0.625	0.79	0.91
390	0.605	0.765	0.88
400	0.585	0.74	0.85
410	0.57	0.72	0.825
420	0.555	0.69	0.805
430	0.540	0.67	0.78
440	0.525	0.65	0.76
450	0.51	0.64	0.74
460	0.50	0.62	0.72
470	0.485	0.60	0.70
480	0.475	0.59	0.68
490	0.465	0.575	0.665
500	0.455	0.56	0.65
510	0.445	0.55	0.63

520	0.435	0.535	0.62
530	0.425	0.52	0.605
540	0.415	0.515	0.59
550	0.405	0.50	0.575
560	0.395	0.49	0.565
570	0.39	0.48	0.55
580	0.38	0.47	0.54
590	0.37	0.46	0.53
600	0.36	0.45	0.52
610		0.44	
620		0.43	
Capacitance tolerance \pm 10%			

FORMED FOILS CAPACITANCES VERSUS FORMING VOLTAGE.

Specific capacitance, $\mu\text{F}/\text{cm}^2$



Forming voltage, V

MECHANICAL SPECIFICATIONS FOR ETCHED ANODE HIGH VOLTAGE FOILS

Foil type	Parameter values		
	Thickness, um	Bending test, number (r = 3.5 mm)	Bursting test, kgf/cm
AB2/0,080 4	80	100	1.6
AB3/0,080 4	80	100	1.6
AB4/0,080 4	80	100	1.6
AB5/0,080 4	80	100	1.6
AB6/0,080 4	80	100	1.6
AB7/0,100 4	100	100	3.0
AB7/0,110 4	110	100	3.0
AB8/0,110 4	110	100	3.0