

Product Series	Product Name	Thickness ± 10µm	BS ≥Cycle	Vf	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680
M-Series	MHF06	104	100	Cap µF/ cm ²	0.709	0.694	0.678	0.658	0.645	0.591	0.580	0.567	0.543	0.528	0.518	0.505	0.491	0.482	0.474	0.464	0.453	0.445	0.410	0.403	0.392	0.386	0.373	0.368
	MHF07	104	100		0.761	0.746	0.728	0.707	0.693	0.642	0.630	0.615	0.589	0.573	0.563	0.548	0.533	0.523	0.515	0.504	0.492	0.484	0.450	0.442	0.430	0.423	0.409	0.403
	MHF08	110	100		0.810	0.793	0.775	0.752	0.737	0.690	0.677	0.661	0.634	0.616	0.605	0.590	0.573	0.562	0.554	0.542	0.529	0.520	0.489	0.481	0.467	0.460	0.445	0.438
	MHF09	115	100		0.861	0.843	0.823	0.800	0.783	0.742	0.727	0.710	0.680	0.662	0.650	0.633	0.616	0.604	0.595	0.582	0.568	0.558	0.531	0.522	0.507	0.500	0.483	0.476
	MHF10	115	100		0.897	0.879	0.858	0.834	0.817	0.781	0.770	0.760	0.750	0.729	0.715	0.700	0.675	0.650	0.627	0.613	0.598	0.588	0.566	0.556	0.540	0.532	0.515	0.507
	MHF11	120	100		0.927	0.908	0.886	0.861	0.843	0.825	0.810	0.797	0.770	0.751	0.737	0.724	0.711	0.680	0.663	0.635	0.616	0.593	0.584	0.568	0.554	0.546	0.533	0.517
	MHF12	120	100		0.973	0.953	0.931	0.904	0.880	0.852	0.835	0.816	0.782	0.769	0.755	0.742	0.725	0.697	0.680	0.660	0.640	0.616	0.607	0.592	0.577	0.568	0.554	0.538
	MHF13	125	90		1.002	0.982	0.959	0.931	0.906	0.878	0.861	0.841	0.805	0.793	0.778	0.764	0.747	0.718	0.700	0.680	0.659	0.634	0.625	0.609	0.594	0.585	0.571	0.554
	MHF14	125	90		1.052	1.031	1.007	0.978	0.952	0.922	0.904	0.883	0.846	0.832	0.817	0.802	0.784	0.754	0.735	0.714	0.692	0.666	0.656	0.640	0.624	0.614	0.599	0.581
	MHF15	125	80		1.105	1.082	1.056	1.026	0.999	0.967	0.948	0.926	0.888	0.873	0.857	0.842	0.823	0.791	0.772	0.749	0.726	0.699	0.689	0.671	0.654	0.645		
MHF16	130	80	1.160	1.136	1.108	1.077	1.048	1.015	0.995	0.972	0.932	0.916	0.899	0.884	0.864	0.830	0.810	0.786	0.762	0.733	0.723	0.704	0.686	0.677				
R-Series	MHF03R	90	120	0.449	0.440	0.430	0.417	0.409	0.375	0.368	0.359	0.344	0.335	0.328	0.330	0.321	0.315	0.310	0.303	0.296	0.291	0.276	0.271	0.264	0.260	0.251	0.248	
	MHF07R	104	120	0.761	0.746	0.728	0.707	0.693	0.642	0.630	0.615	0.589	0.573	0.563	0.548	0.533	0.523	0.515	0.504	0.492	0.484	0.450	0.442	0.430	0.423	0.409	0.403	
	MHF08R	110	120	0.810	0.793	0.775	0.752	0.737	0.690	0.677	0.661	0.634	0.616	0.605	0.590	0.573	0.562	0.554	0.542	0.529	0.520	0.489	0.481	0.467	0.460	0.445	0.438	
	MHF09R	115	120	0.861	0.843	0.823	0.800	0.783	0.742	0.727	0.710	0.680	0.662	0.650	0.633	0.616	0.604	0.595	0.582	0.568	0.558	0.531	0.522	0.507	0.500	0.483	0.476	
	MHF10R	120	120	0.897	0.879	0.858	0.834	0.817	0.781	0.770	0.760	0.750	0.729	0.715	0.700	0.675	0.650	0.627	0.613	0.598	0.588	0.566	0.556	0.540	0.532	0.515	0.507	
	MHF11R	120	120	0.927	0.908	0.886	0.861	0.843	0.825	0.810	0.797	0.770	0.751	0.737	0.724	0.711	0.680	0.663	0.635	0.616	0.593	0.584	0.568	0.554	0.546	0.533	0.517	
	MHF12R	125	120	0.973	0.953	0.931	0.904	0.885	0.866	0.851	0.837	0.809	0.788	0.774	0.760	0.747	0.714	0.697	0.667	0.647	0.623	0.613	0.596	0.582	0.574	0.560	0.543	
	MHF13R	125	120	1.021	1.000	0.977	0.949	0.929	0.909	0.893	0.878	0.848	0.827	0.812	0.798	0.784	0.749	0.731	0.700	0.678	0.654	0.643	0.626	0.610	0.602			
	MHF14R	130	120	1.072	1.050	1.025	0.996	0.975	0.954	0.937	0.921	0.890	0.868	0.852	0.837	0.823	0.786	0.767	0.735	0.711	0.686	0.675	0.657	0.640	0.632			

Remark :

- The data shown according to the inspection standard of EIAJ RC-2364A.
- The capacitance for reference only, actual value should be according to quotation
- Capacitance tolerance -3%~+10%
- Density of Residual Chloride : ≤ 1.0 mg/m²
- M-Series products : Mixed acid formed,
R-Series products : Mixed acid formed with high strength etched foils
N-Series products : Pure inorganic acid formed

Product Series	Product Name	Thickness ± 10µm	BS ≥Cycle	Vf	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680
N-Series	NHF03	90	100	Cap µF/ cm2	0.436	0.427	0.417	0.405	0.397	0.364	0.357	0.349	0.334	0.325	0.319	0.321	0.312	0.306	0.301	0.294	0.287	0.283	0.268	0.263	0.256	0.252	0.244	0.240
	NHF06	104	100		0.682	0.668	0.652	0.633	0.620	0.569	0.558	0.545	0.522	0.507	0.498	0.486	0.472	0.463	0.456	0.446	0.435	0.428	0.395	0.387	0.377	0.371	0.359	0.353
	NHF07	104	100		0.725	0.710	0.693	0.674	0.660	0.612	0.600	0.586	0.561	0.546	0.536	0.522	0.508	0.498	0.491	0.480	0.468	0.461	0.429	0.421	0.409	0.403	0.390	0.384
	NHF08	110	100		0.771	0.756	0.738	0.717	0.702	0.658	0.645	0.630	0.603	0.587	0.576	0.562	0.546	0.535	0.527	0.516	0.503	0.495	0.466	0.458	0.445	0.438	0.424	0.418
	NHF09	115	100		0.812	0.795	0.777	0.754	0.739	0.700	0.686	0.670	0.642	0.624	0.613	0.597	0.581	0.569	0.561	0.549	0.535	0.527	0.501	0.492	0.478	0.471	0.456	0.449
	NHF10	120	100		0.855	0.837	0.817	0.794	0.778	0.744	0.730	0.713	0.683	0.670	0.660	0.645	0.625	0.606	0.597	0.584	0.570	0.560	0.539	0.529	0.514	0.507	0.490	0.483
	NHF11	120	100		0.900	0.881	0.860	0.836	0.819	0.792	0.776	0.758	0.727	0.706	0.694	0.680	0.660	0.650	0.635	0.621	0.606	0.585	0.565	0.560	0.553	0.545	0.527	0.519
	NHF12	120	100		0.930	0.905	0.880	0.860	0.835	0.810	0.795	0.775	0.752	0.740	0.725	0.710	0.685	0.670	0.655	0.637	0.621	0.600	0.580	0.574	0.564	0.556	0.537	0.530
	NHF13	125	90		0.945	0.925	0.903	0.878	0.860	0.831	0.815	0.796	0.763	0.742	0.728	0.714	0.693	0.683	0.667	0.652	0.636	0.614	0.593	0.588	0.581	0.572	0.553	0.545
	NHF14	130	90		0.977	0.950	0.924	0.903	0.877	0.851	0.835	0.814	0.790	0.777	0.761	0.746	0.719	0.704	0.688	0.668	0.652	0.630	0.609	0.603	0.593	0.584	0.564	0.556

Remark :

1. The data shown according to the inspection standard of EIAJ RC-2364A.
2. The capacitance for reference only, actual value should be according to quotation
3. Capacitance tolerance -3%~+10%
4. Density of Residual Chloride : ≤ 1.0 mg/m²
5. M-Series products : Mixed acid formed,
 R-Series products : Mixed acid formed with high strength etched foils
 N-Series products : Pure inorganic acid formed