








The DNA of tech.™

# DC-LINK CAPACITORS

## Capacitors

	 <b>MKP1848</b>	 <b>MKP1848C</b>	 <b>MKP1848S</b>	 <b>MKP1848H</b>	 <b>MKP1848Se</b>
<b>Automotive Grade</b>	AEC-Q200	No	No	AEC-Q200	AEC-Q200
<b>Rated Voltage at 85 °C</b>	450 V <sub>DC</sub>	500 V <sub>DC</sub>	500 V <sub>DC</sub>	500 V <sub>DC</sub>	-
	700 V <sub>DC</sub>	600 V <sub>DC</sub>		700 V <sub>DC</sub>	500 V <sub>DC</sub>
	800 V <sub>DC</sub>	800 V <sub>DC</sub>	700 V <sub>DC</sub>	800 V <sub>DC</sub>	700 V <sub>DC</sub>
	900 V <sub>DC</sub>	900 V <sub>DC</sub>		920 V <sub>DC</sub>	900 V <sub>DC</sub>
	1100 V <sub>DC</sub>	1000 V <sub>DC</sub>	1000 V <sub>DC</sub>	1200 V <sub>DC</sub>	1200 V <sub>DC</sub>
	1200 V <sub>DC</sub>	1200 V <sub>DC</sub>		-	-
<b>Maximum Capacitance</b>	400 μF - 450 V <sub>DC</sub>	500 μF - 500 V <sub>DC</sub>	100 μF - 500 V <sub>DC</sub>	80 μF - 500 V <sub>DC</sub>	-
	320 μF - 700 V <sub>DC</sub>	400 μF - 600 V <sub>DC</sub>		60 μF - 700 V <sub>DC</sub>	86 μF - 500 V <sub>DC</sub>
	240 μF - 800 V <sub>DC</sub>	320 μF - 800 V <sub>DC</sub>	50 μF - 700 V <sub>DC</sub>	50 μF - 800 V <sub>DC</sub>	50 μF - 700 V <sub>DC</sub>
	200 μF - 900 V <sub>DC</sub>	240 μF - 900 V <sub>DC</sub>		40 μF - 920 V <sub>DC</sub>	43 μF - 900 V <sub>DC</sub>
	140 μF - 1100 V <sub>DC</sub>	200 μF - 1000 V <sub>DC</sub>	30 μF - 1000 V <sub>DC</sub>	22 μF - 1200 V <sub>DC</sub>	24 μF - 1200 V <sub>DC</sub>
	120 μF - 1200 V <sub>DC</sub>	140 μF - 1200 V <sub>DC</sub>		-	-
<b>Maximum Ripple Current, 10 kHz, 85 °C</b>	2 A - 54 A	1.5 A - 55 A	3.5 A - 22 A	4.5 A - 25.1 A	4 A - 28 A
<b>Maximum Operation Temperature</b>	105 °C	105 °C	105 °C	105 °C	105 °C
<b>THB Ratings</b>	40 °C, 93 % R.H., 1000 h at U <sub>NDC</sub>	Acc. IEC 60682-2-78 40 °C / 93 % R.H. / 56 days, no voltage applied	Acc. IEC 60682-2-78 40 °C / 93 % R.H. / 56 days, no voltage applied	85 °C / 85 % R.H., 1000 h at U <sub>NDC</sub>	60 °C / 93 % R.H., 56 days at U <sub>NDC</sub>
<b>Max. - Min. Height</b>	19 mm - 65 mm	19 mm - 65 mm	12 mm - 24 mm	19 mm - 65 mm	12 mm - 24 mm
<b>Halogen-Free</b>	No	Yes	Yes	Yes	No