



**THE DATASHEET OF
MAL205952101E3**



ALUMINUM ELECTROLYTIC CAPACITORS


Large and Screw Terminal



		Snap-In Design								
		Product Family	Series	Focus Series	Voltage	Capacitance	Temperature	Useful Life	Case Size	Additional Features
Low voltage	only 2 pin		256 PMG-SI	•	16 V to 100 V	820 μ F to 47 000 μ F	105 °C	up to 5000 h	20 mm x 25 mm to 35 mm x 45 mm	RoHs compliant
			156 PUM-SI		10 V to 100 V	1000 μ F to 22 000 μ F	85 °C	\geq 5000 h	22 mm x 25 mm to 35 mm x 60 mm	RoHs compliant
	2 and 3 pin		056 PSM-SI		10 V to 100 V	470 μ F to 68 000 μ F	85 °C	\geq 12 000 h	22 mm x 25 mm to 35 mm x 60 mm	RoHs compliant
			158 PUL-SI		16 V to 100 V	560 μ F to 47 000 μ F	105 °C	\geq 5000 h	22 mm x 25 mm to 35 mm x 60 mm	RoHs compliant
			090 PUL-SI		25 to 100 V	560 μ F to 47 000 μ F	105 °C	\geq 5000 h	22 mm x 25 mm to 35 mm x 60 mm	RoHs compliant, small case sizes, high ripple current
058 PLL-SI		10 V to 100 V	330 μ F to 47 000 μ F	105 °C	up to 10 000 h	22 mm x 25 mm to 35 mm x 60 mm	RoHs compliant			
High voltage	only 2 pin		093 PMG-SI		200 V to 450 V	68 μ F to 2200 μ F	85 °C	\geq 2000 h	22 mm x 25 mm to 35 mm x 50 mm	RoHs compliant
			094 PME-SI		200 V to 450 V	56 μ F to 2200 μ F	105 °C	\geq 2000 h	22 mm x 25 mm to 35 mm x 60 mm	RoHs compliant
			193 PUR-SI solar		450 V to 500 V	220 μ F to 560 μ F	105 °C	up to 6000 h	35 mm x 30 mm to 35 mm x 60 mm	RoHs compliant, designed for PV solar inverters
	2 and 3 pin		157 PUM-SI	•	200 V to 500 V	47 μ F to 2200 μ F	85 °C	\geq 5000 h	22 mm x 25 mm to 35 mm x 60 mm	RoHs compliant
			057 PSM-SI		200 V to 450 V	47 μ F to 1500 μ F	85 °C	up to 12 000 h	22 mm x 25 to 35 mm x 60 mm	RoHs compliant
			198 PHR-SI		400 V to 450 V	56 μ F to 680 μ F	85 °C	\geq 15 000 h	22 mm x 25 mm to 35 mm x 60 mm	RoHs compliant, longest life time, high ripple current
			159 PUL-SI	•	200 V to 500 V	56 μ F to 1800 μ F	105 °C	up to 5000 h	22 mm x 25 mm to 35 mm x 60 mm	RoHs compliant
			059 PLL-SI		200 V to 400 V	33 μ F to 1000 μ F	105 °C	\geq 10 000 h	22 mm x 25 mm to 35 mm x 60 mm	RoHs compliant
	4-pin		096 PLL-4TSI	•	350 V to 500 V	390 μ F to 2700 μ F	85 °C	\geq 5000 h	35 mm x 50 mm to 45 mm x 100 mm	RoHs compliant
			095 PLL-4TSI		350 V to 450 V	390 μ F to 2200 μ F	85 °C	\geq 10 000 h	35 mm x 50 mm to 45 mm x 100 mm	RoHs compliant

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SOLUTIONS

ALUMINUM ELECTROLYTIC CAPACITORS

Large and Screw Terminal

		DIN-PW Design								
		Product Family	Series	Focus Series	Voltage	Capacitance	Temperature	Useful Life	Case Size	Additional Features
Low voltage	Solder lug		050 PED-PW		10 V to 100 V	470 μ F to 68 000 μ F	85 °C	\geq 15 000 h	25 mm x 30 mm to 40 mm x 100 mm	RoHs compliant
			051 PEC-PW		10 V to 100 V	680 μ F to 150 000 μ F	85 °C	\geq 12 000 h	25 mm x 30 mm to 40 mm x 100 mm	RoHs compliant
	Printed wiring		050 PED-PW		10 V to 100 V	470 μ F to 68 000 μ F	85 °C	\geq 15 000 h	25 mm x 30 mm to 40 mm x 100 mm	RoHs compliant
			162 PLL-PW		10 V to 100 V	470 μ F to 150 000 μ F	105 °C	\geq 5000 h	25 mm x 30 mm to 40 mm x 100 mm	RoHs compliant
High voltage	Printed wiring		096 PLL-PW		350 V to 500 V	390 μ F to 2700 μ F	85 °C	\geq 5000 h	35 mm x 50 mm to 45 mm x 100 mm	RoHs compliant
			095 PLL-PW		350 V to 450 V	390 μ F to 2200 μ F	85 °C	\geq 10 000 h	35 mm x 50 mm to 45 mm x 100 mm	RoHs compliant
			053 PEC-PW		200 V to 400 V	68 μ F to 2200 μ F	85 °C	\geq 12 000 h	25 mm x 30 mm to 40 mm x 100 mm	RoHs compliant
			052 PED-PW		250 V to 400 V	47 μ F to 1000 μ F	85 °C	\geq 15 000 h	25 mm x 30 mm to 40 mm x 100 mm	RoHs compliant
			163 PLL-PW		200 V to 400 V	68 μ F to 3300 μ F	105 °C	\geq 5000 h	25 mm x 30 mm to 40 mm x 100 mm	RoHs compliant

		Screw-Terminal Design								
		Product Family	Series	Focus Series	Voltage	Capacitance	Temperature	Useful Life	Case Size	Additional Features
Low voltage	Screw terminal		101 PHR-ST	•	25 V to 100 V	2200 μ F to 1 F	85 °C	\geq 15 000 h	35 mm x 60 mm to 90 mm x 220 mm	RoHs compliant
			106 PED-ST		25 V to 100 V	1000 μ F to 330 000 μ F	85 °C	\geq 20 000 h	35 mm x 60 mm to 90 mm x 220 mm	RoHs compliant
High voltage	Screw terminal		500 PGP-ST		400 V to 450 V	1000 μ F to 15 000 μ F	85 °C	\geq 2000 h	50 mm x 80 mm to 90 mm x 220 mm	RoHs compliant
			102 PHR-ST	•	200 V to 450 V	220 μ F to 33 000 μ F	85 °C	\geq 10 000 h	35 mm x 60 mm to 90 mm x 220 mm	RoHs compliant
			110 PHT-ST		250 V to 450 V	6000 μ F	85 °C	\geq 10 000 h	76 mm x 146 mm to 76 mm x 220 mm	RoHs compliant, designed for traction applications
			104 PHL-ST	•	200 V to 450 V	150 μ F to 33 000 μ F	105 °C	\geq 5000 h	35 mm x 60 mm to 90 mm x 220 mm	RoHs compliant

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