

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
MPM-45ST	3.89	Raw Material Manufacturing	3.78	97.17	MPM-45-5ST	2024/2/11
		Raw Material Transportation	<0.01	0.00		
		Power Supply Manufacturing	0.11	2.83		

Raw Material Manufacturing Stage Information

Note: The carbon footprint calculation for raw material manufacturing is based on the global SimaPro database coefficients. In the future, we plan to integrate carbon footprint assessments of the supply chain along with training and exchanges, gradually establishing the MWPro database coefficients.

Raw Material Category	Raw Material Manufacturing Emission(KgCO2e)	Percentage
Subtotal	3.7795	100.00%
1*: CASE Category	0.2024	5.36%
1A: Resistance Category	0.1086	2.87%
1B: Capacitance Category	0.2621	6.93%
1C: Semiconductor Category	1.0768	28.49%
1D: Inductor Category	0.6604	17.47%
1E: Electronic Components Category	0.0517	1.37%
1F: Wire, Connector, AC Cable	0.0002	<0.01%
1G: Metal Category	0.0053	<0.01%
1H: Insulation, Plastic Category	0.0071	<0.01%
1J: Packaging	0.0307	0.81%
1M: Manufacturing Consumables	0.4083	10.80%
1Z: PCB Printed Circuit Board	0.2347	6.21%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.0610	1.61%
2C: SMD Semiconductor Category	0.6543	17.31%
4A: Screws, Washers, Copper Columns	0.0062	<0.01%
4B: Stickers	<0.0001	<0.01%
5A: Outer Box	0.0088	<0.01%
5B: Casing	0.0011	<0.01%

SDG Group Carbon Neutrality Team