

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
HEP-480	29.85	Raw Material Manufacturing	28.93	96.92	HEP-480-24A	2024/2/11
		Raw Material Transportation	0.03	0.10		
		Power Supply Manufacturing	0.89	2.98		

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	28.9323	100.00%
1*: CASE Category	0.4214	1.46%
1A: Resistance Category	0.9590	3.31%
1B: Capacitance Category	0.9069	3.13%
1C: Semiconductor Category	8.6107	29.76%
1D: Inductor Category	6.3315	21.88%
1E: Electronic Components Category	0.0451	<0.01%
1F: Wire, Connector, AC Cable	0.0911	<0.01%
1G: Metal Category	0.1142	<0.01%
1H: Insulation, Plastic Category	0.0905	<0.01%
1J: Packaging	0.2003	0.69%
1M: Manufacturing Consumables	8.3149	28.74%
1Z: PCB Printed Circuit Board	1.1466	3.96%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.2800	0.97%
2C: SMD Semiconductor Category	0.6744	2.33%
2D: SMD Inductor Category	0.0039	<0.01%
4A: Screws, Washers, Copper Columns	0.0500	<0.01%
4B: Stickers	0.0090	<0.01%
5A: Outer Box	0.1151	<0.01%
5B: Casing	0.0009	<0.01%
5D: Cardboard	0.5669	1.96%

SDG Group Carbon Neutrality Team