

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
HEP-2300-HV	99.59	Raw Material Manufacturing	90.75	91.12	HEP-2300-115	2024/2/7
		Raw Material Transportation	0.17	0.17		
		Power Supply Manufacturing	8.67	8.71		

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	90.7512	100.00%
1*: CASE Category	3.8275	4.22%
1A: Resistance Category	1.8586	2.05%
1B: Capacitance Category	2.7664	3.05%
1C: Semiconductor Category	13.5742	14.96%
1D: Inductor Category	15.1061	16.65%
1E: Electronic Components Category	0.4734	0.52%
1F: Wire, Connector, AC Cable	0.0442	<0.01%
1G: Metal Category	0.3442	<0.01%
1H: Insulation, Plastic Category	0.8011	0.88%
1K: Material Processing	<0.0001	<0.01%
1M: Manufacturing Consumables	39.3924	43.41%
1Z: PCB Printed Circuit Board	3.3681	3.71%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.7610	0.84%
2C: SMD Semiconductor Category	6.1688	6.80%
2D: SMD Inductor Category	0.0644	<0.01%
2N: Surface Mount Device Others	<0.0001	<0.01%
4A: Screws, Washers, Copper Columns	0.1703	<0.01%
4B: Stickers	0.0055	<0.01%
5A: Outer Box	1.0962	1.21%
5B: Casing	0.0001	<0.01%
5F: Pulp Molding	0.9288	1.02%

SDG Group Carbon Neutrality Team