

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
HEP-1000	44.38	Raw Material Manufacturing	41.61	93.76	HEP-1000-24	2024/2/7
		Raw Material Transportation	0.04	0.09		
		Power Supply Manufacturing	2.73	6.15		

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	41.6110	100.00%
1*: CASE Category	0.6053	1.45%
1A: Resistance Category	1.0348	2.49%
1B: Capacitance Category	1.3656	3.28%
1C: Semiconductor Category	7.8068	18.76%
1D: Inductor Category	8.6981	20.90%
1E: Electronic Components Category	0.3747	0.90%
1F: Wire, Connector, AC Cable	0.0337	<0.01%
1G: Metal Category	0.0415	<0.01%
1H: Insulation, Plastic Category	0.6383	1.53%
1J: Packaging	0.4265	1.02%
1K: Material Processing	<0.0001	<0.01%
1M: Manufacturing Consumables	13.2140	31.76%
1Z: PCB Printed Circuit Board	1.2008	2.89%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.5548	1.33%
2C: SMD Semiconductor Category	5.0422	12.12%
2D: SMD Inductor Category	0.0595	<0.01%
2N: Surface Mount Device Others	<0.0001	<0.01%
4A: Screws, Washers, Copper Columns	0.0663	<0.01%
4B: Stickers	<0.0001	<0.01%
5A: Outer Box	0.2052	<0.01%
5B: Casing	0.0002	<0.01%
5D: Cardboard	0.2430	0.58%