

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
HDR-100	5.26	Raw Material Manufacturing	5.13	97.53	HDR-100-12	2024/2/11
		Raw Material Transportation	<0.01	0.00		
		Power Supply Manufacturing	0.13	2.47		

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 MWPPro database coefficients.

Raw Material Category	Raw Material Manufacturing Emission(KgCO2e)	Percentage
Subtotal	5.1296	100.00%
1*: CASE Category	0.3806	7.42%
1A: Resistance Category	0.3290	6.41%
1B: Capacitance Category	0.2603	5.07%
1C: Semiconductor Category	1.4846	28.94%
1D: Inductor Category	1.1020	21.48%
1E: Electronic Components Category	0.0587	1.14%
1F: Wire, Connector, AC Cable	0.0008	<0.01%
1G: Metal Category	0.0206	<0.01%
1H: Insulation, Plastic Category	0.0035	<0.01%
1J: Packaging	0.0488	0.95%
1Z: PCB Printed Circuit Board	0.1685	3.29%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.0715	1.39%
2C: SMD Semiconductor Category	1.1941	23.28%
4A: Screws, Washers, Copper Columns	0.0051	<0.01%
4B: Stickers	0.0001	<0.01%
5A: Outer Box	<0.0001	<0.01%
5B: Casing	0.0016	<0.01%

SDG Group Carbon Neutrality Team