

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
HRP-450	23.71	Raw Material Manufacturing	22.86	96.41	HRP-450-12	2024/2/7
		Raw Material Transportation	0.03	0.13		
		Power Supply Manufacturing	0.82	3.46		

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	22.8583	100.00%
1*: CASE Category	0.2503	1.09%
1A: Resistance Category	0.5265	2.30%
1B: Capacitance Category	0.7178	3.14%
1C: Semiconductor Category	10.0460	43.95%
1D: Inductor Category	6.6388	29.04%
1E: Electronic Components Category	0.6267	2.74%
1F: Wire, Connector, AC Cable	0.0101	<0.01%
1G: Metal Category	0.0955	<0.01%
1H: Insulation, Plastic Category	0.0762	<0.01%
1J: Packaging	0.1781	0.78%
1M: Manufacturing Consumables	0.0550	<0.01%
1Z: PCB Printed Circuit Board	3.0511	13.35%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.0877	<0.01%
2C: SMD Semiconductor Category	0.3961	1.73%
2D: SMD Inductor Category	0.0037	<0.01%
4A: Screws, Washers, Copper Columns	0.0402	<0.01%
4B: Stickers	0.0066	<0.01%
5A: Outer Box	0.0521	<0.01%
5B: Casing	0.0001	<0.01%