

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
SHP-30K-HV	240.36	Raw Material Manufacturing	225.10	93.65	SHP-30K-380	2024/2/7
		Raw Material Transportation	0.23	0.10		
		Power Supply Manufacturing	15.03	6.25		

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	225.1002	100.00%
1*: CASE Category	3.5466	1.58%
1A: Resistance Category	7.2331	3.21%
1B: Capacitance Category	5.3362	2.37%
1C: Semiconductor Category	60.3183	26.80%
1D: Inductor Category	107.8139	47.90%
1E: Electronic Components Category	3.7937	1.69%
1F: Wire, Connector, AC Cable	0.1101	<0.01%
1G: Metal Category	3.0902	1.37%
1H: Insulation, Plastic Category	3.2286	1.43%
1J: Packaging	0.0077	<0.01%
1M: Manufacturing Consumables	0.4596	<0.01%
1Z: PCB Printed Circuit Board	12.2005	5.42%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	2.1455	0.95%
2C: SMD Semiconductor Category	11.5447	5.13%
2D: SMD Inductor Category	0.2276	<0.01%
2F: SMD Wire, Connector, AC Cable	0.0297	<0.01%
2N: Surface Mount Device Others	<0.0001	<0.01%
4A: Screws, Washers, Copper Columns	0.8727	<0.01%
4B: Stickers	<0.0001	<0.01%
5A: Outer Box	1.6751	0.74%
5E: Cardboard + EPE	1.4666	0.65%

SDG Group Carbon Neutrality Team