

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
RSP-1600	29.43	Raw Material Manufacturing	28.04	95.28	RSP-1600-12	2024/2/7
		Raw Material Transportation	0.02	0.07		
		Power Supply Manufacturing	1.37	4.66		

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	28.0370	100.00%
1*: CASE Category	0.2882	1.03%
1A: Resistance Category	1.1208	4.00%
1B: Capacitance Category	1.5149	5.40%
1C: Semiconductor Category	10.9533	39.07%
1D: Inductor Category	5.9461	21.21%
1E: Electronic Components Category	0.5942	2.12%
1F: Wire, Connector, AC Cable	0.0321	<0.01%
1G: Metal Category	0.2083	0.74%
1H: Insulation, Plastic Category	0.2934	1.05%
1J: Packaging	0.4363	1.56%
1M: Manufacturing Consumables	0.0189	<0.01%
1Z: PCB Printed Circuit Board	2.5914	9.24%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.4493	1.60%
2C: SMD Semiconductor Category	3.1595	11.27%
2D: SMD Inductor Category	0.0183	<0.01%
2F: SMD Wire, Connector, AC Cable	0.0243	<0.01%
2N: Surface Mount Device Others	<0.0001	<0.01%
4A: Screws, Washers, Copper Columns	0.1334	<0.01%
4B: Stickers	<0.0001	<0.01%
5A: Outer Box	0.1561	0.56%
5B: Casing	0.0012	<0.01%
5F: Pulp Molding	0.0972	<0.01%