

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
RST-10000	183.35	Raw Material Manufacturing	168.07	91.67	RST-10000-24	2024/2/7
		Raw Material Transportation	0.18	0.10		
		Power Supply Manufacturing	15.10	8.24		

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	168.0715	100.00%
1*: CASE Category	3.7289	2.22%
1A: Resistance Category	6.5874	3.92%
1B: Capacitance Category	7.1284	4.24%
1C: Semiconductor Category	62.0630	36.93%
1D: Inductor Category	62.2603	37.04%
1E: Electronic Components Category	2.7111	1.61%
1F: Wire, Connector, AC Cable	0.5257	<0.01%
1G: Metal Category	2.8127	1.67%
1H: Insulation, Plastic Category	0.4872	<0.01%
1J: Packaging	0.0077	<0.01%
1M: Manufacturing Consumables	0.1679	<0.01%
1Z: PCB Printed Circuit Board	4.8983	2.91%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.9165	0.55%
2C: SMD Semiconductor Category	9.5502	5.68%
2D: SMD Inductor Category	0.0037	<0.01%
2N: Surface Mount Device Others	<0.0001	<0.01%
4A: Screws, Washers, Copper Columns	0.9038	0.54%
4B: Stickers	<0.0001	<0.01%
5A: Outer Box	1.6751	1.00%
5B: Casing	0.0018	<0.01%
5E: Cardboard + EPE	1.6416	0.98%

SDG Group Carbon Neutrality Team