

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
RST-7K5-HV	134.96	Raw Material Manufacturing	126.55	93.77	RST-7K5-380	2024/2/7
		Raw Material Transportation	0.06	0.04		
		Power Supply Manufacturing	8.35	6.19		

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	126.5535	100.00%
1*: CASE Category	1.6220	1.28%
1A: Resistance Category	1.1867	0.94%
1B: Capacitance Category	2.3567	1.86%
1C: Semiconductor Category	37.7687	29.84%
1D: Inductor Category	62.5670	49.44%
1E: Electronic Components Category	1.0802	0.85%
1F: Wire, Connector, AC Cable	0.1492	<0.01%
1G: Metal Category	1.3627	1.08%
1H: Insulation, Plastic Category	0.8628	0.68%
1J: Packaging	0.0026	<0.01%
1Z: PCB Printed Circuit Board	4.2781	3.38%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	1.7811	1.41%
2C: SMD Semiconductor Category	9.2399	7.30%
2D: SMD Inductor Category	0.0365	<0.01%
2F: SMD Wire, Connector, AC Cable	0.0121	<0.01%
2N: Surface Mount Device Others	<0.0001	<0.01%
4A: Screws, Washers, Copper Columns	0.6357	0.50%
4B: Stickers	0.0045	<0.01%
5A: Outer Box	0.9698	0.77%
5B: Casing	<0.0001	<0.01%
5F: Pulp Molding	0.6372	0.50%

SDG Group Carbon Neutrality Team