

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
RST-15K-HV	165.04	Raw Material Manufacturing	148.24	89.82	RST-15K-380	2024/2/7
		Raw Material Transportation	0.09	0.05		
		Power Supply Manufacturing	16.71	10.12		

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	148.2411	100.00%
1*: CASE Category	3.4214	2.31%
1A: Resistance Category	1.9628	1.32%
1B: Capacitance Category	6.8559	4.62%
1C: Semiconductor Category	39.2676	26.49%
1D: Inductor Category	64.1511	43.27%
1E: Electronic Components Category	2.3523	1.59%
1F: Wire, Connector, AC Cable	0.3938	<0.01%
1G: Metal Category	3.0197	2.04%
1H: Insulation, Plastic Category	1.6122	1.09%
1J: Packaging	0.0077	<0.01%
1N: Others	<0.0001	<0.01%
1Z: PCB Printed Circuit Board	5.6933	3.84%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	2.4704	1.67%
2C: SMD Semiconductor Category	12.5197	8.45%
2D: SMD Inductor Category	0.0475	<0.01%
2F: SMD Wire, Connector, AC Cable	0.0154	<0.01%
2N: Surface Mount Device Others	<0.0001	<0.01%
4A: Screws, Washers, Copper Columns	1.3003	0.88%
4B: Stickers	0.0045	<0.01%
5A: Outer Box	1.6751	1.13%
5B: Casing	0.0006	<0.01%
5E: Cardboard + EPE	1.4699	0.99%