

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
ENC-180	11.35	Raw Material Manufacturing	10.73	94.54	ENC-180-12	2024/2/11
		Raw Material Transportation	0.02	0.18		
		Power Supply Manufacturing	0.60	5.28		

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	10.7335	100.00%
1*: CASE Category	0.3302	3.08%
1A: Resistance Category	0.3898	3.63%
1B: Capacitance Category	0.4622	4.31%
1C: Semiconductor Category	3.7707	35.13%
1D: Inductor Category	2.7689	25.80%
1E: Electronic Components Category	0.2378	2.22%
1F: Wire, Connector, AC Cable	0.0227	<0.01%
1G: Metal Category	0.0617	0.57%
1H: Insulation, Plastic Category	0.0793	0.74%
1J: Packaging	0.2314	2.16%
1K: Material Processing	<0.0001	<0.01%
1M: Manufacturing Consumables	0.0757	0.70%
1Z: PCB Printed Circuit Board	0.6647	6.19%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.2019	1.88%
2C: SMD Semiconductor Category	1.2533	11.68%
2D: SMD Inductor Category	0.0013	<0.01%
4A: Screws, Washers, Copper Columns	0.0316	<0.01%
4B: Stickers	0.0001	<0.01%
5A: Outer Box	0.0765	0.71%
5D: Cardboard	0.0740	0.69%

SDG Group Carbon Neutrality Team