

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
XDR-150E	4.92	Raw Material Manufacturing	4.75	96.55	XDR-150E-12	2025/6/27
		Raw Material Transportation	0.01	0.20		
		Power Supply Manufacturing	0.16	3.25		

Raw Material Manufacturing Stage Information

Note: The carbon footprint calculation for raw material manufacturing is based on the global SimaPro database coefficients. Combine supply chain carbon footprint assessment with training and communication, and gradually establish MWPro database coefficients.

Raw Material Category	Raw Material Manufacturing Emission(KgCO2e)	Percentage
Subtotal	4.7505	100.00%
1*: CASE Category	0.0915	1.93%
1A: Resistance Category	0.5225	11.00%
1B: Capacitance Category	0.5166	10.88%
1C: Semiconductor Category	1.3160	27.70%
1D: Inductor Category	0.9537	20.08%
1E: Electronic Components Category	0.0658	1.39%
1G: Metal Category	0.0397	0.83%
1H: Insulation, Plastic Category	0.0780	1.64%
1J: Packaging	<0.0001	<0.01%
1M: Manufacturing Consumables	0.0009	<0.01%
1Z: PCB Printed Circuit Board	0.3730	7.85%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.1045	2.20%
2C: SMD Semiconductor Category	0.6718	14.14%
4A: Screws, Washers, Copper Columns	0.0165	<0.01%
4B: Stickers	0.0001	<0.01%
5A: Outer Box	<0.0001	<0.01%
5D: Cardboard	<0.0001	<0.01%

SDG Group Carbon Neutrality Team