

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
XDR-240E	5.47	Raw Material Manufacturing	5.24	95.79	XDR-240E-12	2025/6/27
		Raw Material Transportation	<0.01	0.00		
		Power Supply Manufacturing	0.23	4.21		

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	5.2373	100.00%
1*: CASE Category	<0.0001	<0.01%
1A: Resistance Category	0.4195	8.01%
1B: Capacitance Category	0.5765	11.01%
1C: Semiconductor Category	0.0610	1.17%
1D: Inductor Category	2.2039	42.08%
1E: Electronic Components Category	0.1334	2.55%
1G: Metal Category	0.0405	0.77%
1H: Insulation, Plastic Category	0.0959	1.83%
1J: Packaging	<0.0001	<0.01%
1M: Manufacturing Consumables	0.0283	0.54%
1Z: PCB Printed Circuit Board	<0.0001	<0.01%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.1971	3.76%
2C: SMD Semiconductor Category	1.4648	27.97%
2D: SMD Inductor Category	0.0013	<0.01%
4A: Screws, Washers, Copper Columns	0.0118	<0.01%
4B: Stickers	0.0001	<0.01%
5A: Outer Box	<0.0001	<0.01%
5B: Casing	0.0031	<0.01%
5D: Cardboard	<0.0001	<0.01%

SDG Group Carbon Neutrality Team