

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
XTR-240	16.39	Raw Material Manufacturing	16.02	97.74	XTR-240-12	2025/9/2
		Raw Material Transportation	0.01	0.06		
		Power Supply Manufacturing	0.36	2.20		

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	16.0187	100.00%
	<0.0001	<0.01%
1*: CASE Category	0.1342	0.84%
1A: Resistance Category	3.6779	22.96%
1B: Capacitance Category	1.0268	6.41%
1C: Semiconductor Category	3.5603	22.23%
1D: Inductor Category	4.3830	27.36%
1E: Electronic Components Category	0.2054	1.28%
1F: Wire, Connector, AC Cable	0.0045	<0.01%
1G: Metal Category	0.0537	<0.01%
1H: Insulation, Plastic Category	0.0555	<0.01%
1J: Packaging	0.1757	1.10%
1M: Manufacturing Consumables	0.2434	1.52%
1Z: PCB Printed Circuit Board	0.7149	4.46%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.9147	5.71%
2C: SMD Semiconductor Category	0.8350	5.21%
4A: Screws, Washers, Copper Columns	0.0266	<0.01%
4B: Stickers	0.0001	<0.01%
5A: Outer Box	<0.0001	<0.01%
5B: Casing	0.0071	<0.01%
5D: Cardboard	<0.0001	<0.01%