

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
XTR-480	18.77	Raw Material Manufacturing	18.48	98.45	XTR-480-12	2025/7/16
		Raw Material Transportation	<0.01	0.00		
		Power Supply Manufacturing	0.29	1.55		

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	18.4771	100.00%
	<0.0001	<0.01%
1*: CASE Category	<0.0001	<0.01%
1A: Resistance Category	2.2394	12.12%
1B: Capacitance Category	1.0828	5.86%
1C: Semiconductor Category	3.4385	18.61%
1D: Inductor Category	5.1670	27.96%
1E: Electronic Components Category	0.2193	1.19%
1F: Wire, Connector, AC Cable	<0.0001	<0.01%
1G: Metal Category	0.0505	<0.01%
1H: Insulation, Plastic Category	0.3286	1.78%
1J: Packaging	<0.0001	<0.01%
1M: Manufacturing Consumables	0.9787	5.30%
1Z: PCB Printed Circuit Board	0.9788	5.30%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	1.4774	8.00%
2C: SMD Semiconductor Category	2.5054	13.56%
2D: SMD Inductor Category	0.0035	<0.01%
4A: Screws, Washers, Copper Columns	0.0046	<0.01%
4B: Stickers	0.0001	<0.01%
5A: Outer Box	<0.0001	<0.01%
5B: Casing	0.0024	<0.01%