

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
XDR-480E	11.27	Raw Material Manufacturing	10.92	96.89	XDR-480E-12	2025/6/27
		Raw Material Transportation	0.02	0.18		
		Power Supply Manufacturing	0.33	2.93		

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	10.9165	100.00%
1*: CASE Category	<0.0001	<0.01%
1A: Resistance Category	0.4522	4.14%
1B: Capacitance Category	0.7571	6.94%
1C: Semiconductor Category	1.6810	15.40%
1D: Inductor Category	5.2218	47.83%
1E: Electronic Components Category	0.1902	1.74%
1F: Wire, Connector, AC Cable	0.0001	<0.01%
1G: Metal Category	0.0642	0.59%
1H: Insulation, Plastic Category	0.2175	1.99%
1J: Packaging	<0.0001	<0.01%
1M: Manufacturing Consumables	0.2124	1.95%
1Z: PCB Printed Circuit Board	0.5726	5.25%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.3859	3.54%
2C: SMD Semiconductor Category	1.1341	10.39%
2D: SMD Inductor Category	0.0072	<0.01%
4A: Screws, Washers, Copper Columns	0.0196	<0.01%
4B: Stickers	0.0001	<0.01%
5A: Outer Box	<0.0001	<0.01%
5B: Casing	0.0005	<0.01%
5D: Cardboard	<0.0001	<0.01%