

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
NTN-5K	124.77	Raw Material Manufacturing	118.21	94.74	NTN-5K-248	2025/3/26
		Raw Material Transportation	0.08	0.06		
		Power Supply Manufacturing	6.48	5.19		

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	118.2123	100.00%
1*: CASE Category	1.7201	1.46%
1A: Resistance Category	1.7125	1.45%
1B: Capacitance Category	3.4641	2.93%
1C: Semiconductor Category	37.5201	31.74%
1D: Inductor Category	46.1507	39.04%
1E: Electronic Components Category	2.2987	1.94%
1F: Wire, Connector, AC Cable	0.2292	<0.01%
1G: Metal Category	1.7218	1.46%
1H: Insulation, Plastic Category	0.8594	0.73%
1J: Packaging	0.1476	<0.01%
1K: Material Processing	<0.0001	<0.01%
1M: Manufacturing Consumables	0.0275	<0.01%
1N: Others	<0.0001	<0.01%
1Z: PCB Printed Circuit Board	6.9980	5.92%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	1.5914	1.35%
2C: SMD Semiconductor Category	11.2944	9.55%
2D: SMD Inductor Category	0.2633	<0.01%
2F: SMD Wire, Connector, AC Cable	0.0022	<0.01%
2N: Surface Mount Device Others	<0.0001	<0.01%
4A: Screws, Washers, Copper Columns	0.6014	0.51%
4B: Stickers	0.0029	<0.01%
5A: Outer Box	0.9698	0.82%
5F: Pulp Molding	0.6372	0.54%