

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
NTN-5K	117.71	Raw Material Manufacturing	110.90	94.21	NTN-5K-224	2024/2/20
		Raw Material Transportation	0.06	0.05		
		Power Supply Manufacturing	6.75	5.73		

Raw Material Manufacturing Stage Information

Note: The carbon footprint calculation for raw material manufacturing is based on the global SimaPro database coefficients. In the future, we plan to integrate carbon footprint assessments of the supply chain along with training and exchanges, gradually establishing the MWPro database coefficients.

Raw Material Category	Raw Material Manufacturing Emission(KgCO2e)	Percentage
Subtotal	110.8999	100.00%
1*: CASE Category	1.7201	1.55%
1A: Resistance Category	1.6221	1.46%
1B: Capacitance Category	3.4653	3.12%
1C: Semiconductor Category	41.7127	37.61%
1D: Inductor Category	42.4179	38.25%
1E: Electronic Components Category	2.1375	1.93%
1F: Wire, Connector, AC Cable	0.1948	<0.01%
1G: Metal Category	1.7150	1.55%
1H: Insulation, Plastic Category	0.6936	0.63%
1J: Packaging	0.0180	<0.01%
1M: Manufacturing Consumables	0.0158	<0.01%
1N: Others	<0.0001	<0.01%
1Z: PCB Printed Circuit Board	<0.0001	<0.01%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	1.4038	1.27%
2C: SMD Semiconductor Category	11.3694	10.25%
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	0.5413	<0.01%
4B: Stickers	<0.0001	<0.01%
5A: Outer Box	0.9698	0.87%
5F: Pulp Molding	0.6372	0.57%