

SPECIFICATION		Specification No.	T-000850C11-12			
		Drawing No.	T-000850C11	Revision		Page
Product Name	Coaxial SPD Model:N-JP-5	Enactment Date	Oct. 25, 2022	Revision Date		
		Drawing Section	Product Development Department			

1. General

This product is a coaxial SPD for N-type connectors to protect devices such as wireless device from lightning surges induced from antennas and communication lines (coaxial cables).

2. Environmental characteristic

- 2.1 Location : Outdoor
(When using it outdoors, please use self-adhesive tape etc. for the connector connecting part.)
- 2.2 Rated operating temperature : -30°C ~ +70°C
- 2.3 Rated operating humidity : 0% ~ 95% (no condensation)
- 2.4 Rated storage temperature : -40°C ~ +70°C
- 2.5 Rated storage humidity : 0% ~ 95% (no condensation)

3. Structure

- 3.1 Appearance, Structure and Dimension
Appearance, Structure and Dimensions are figured by T-000850A11.
- 3.2 Marking
The following display is marked on the product.
(1) Product name (2) Manufacturer name (3) Manufacturing date

4. Electrical Characteristics

The Electrical Characteristics of this product is Table.1.

Table.1 Electrical Characteristics

Item	Specification	Remarks
Frequency Range	DC ~ 3GHz	
V.S.W.R	≤ 1.2	Frequency Range
Insertion Loss	$\leq 0.3\text{dB}$	Frequency Range
Characteristic Impedance	50Ω	Nominal
Maximum Rating	60W	
DC Spark-over Voltage	$\geq \text{DC } 200\text{V}$	100V/s
Voltage Protection Level (Up)	$\leq 700\text{V}$	1kV/μs
	$\leq 800\text{V}$	1.2/50μs 10kV
Impulse Durability	8/20μs 2kA 10time	Category C2
	10/350μs 1kA 2times	Category D1
Maximum Discharge Current	8/20μs 5kA 1time	
Insulation Resistance	$\geq 100\text{M}\Omega$	DC100V
DC power supply	DC48V $\leq 1\text{A}$	
Connector Type	N(Plug - Jack)	

Note1) Test conditions

Temperature 20±15°C, Humidity 65±20%(IEC Publication 160(normal condition of test place))

SPECIFICATION		Specification No.	T-000850C11-12			
		Drawing No.	T-000850C12	Revision		Page
Product Name	Coaxial SPD Model:N-JP-5	Enactment Date	Oct. 25, 2022	Revision Date		
		Drawing Section	Product Development Department			

5. Inspection

The inspection of electrical characteristics, mechanical characteristics and exterior shall be held as following Table.2.

Table.2 Check condition

Item	Inspection Type	Judgment Standard
V.S.W.R	Total Inspection	It depends on clause 4.
Insertion Loss	Total Inspection	
DC Spark-over Voltage	Total Inspection	
Voltage Protection Level (Up)	Model Inspection	
Impulse Durability	Model Inspection	
Insulation Resistance	Total Inspection	
Appearance	Total Inspection	It depends on clause 3.
Dimension	Sampling Inspection	

Note1) The sampling inspection of dimensions, I assume it $n=5, A_c=0, R_e=1$.

Note2) Model Inspection; This inspection is executed more than one about the first lot that was able to expand in a production process. However, the item from which the performance is confirmed by the same type of product might be omitted.

6. Packaging and marking of wrapping box

This product is packed so that it will not be easily deformed or damaged during transportation.

7. Quality assurance and warranty period

The warranty period for this product is one year from the start of use. (However, it is 15 months after delivery.) Your product will be replaced with a product in good condition if a problem that occurs during this period is determined to be the responsibility of Sankosha. Replacement is limited to the actual product only. Any expenses incurred by the replacement will be charged to the customer.

This product was shipped after a strict inspection. If a problem arises due to a manufacturing deficiency or if you believe the product was damaged during shipment, please inquire with your distributor or local Sankosha branch office.

8. Environmental correspondence (RoHS compliant)

This product does not contain more than specified provisions for substances subject to regulation (6 substances) in the EU RoHS Directive (*), except for exemptions.

6 substances: Lead, Mercury, Cadmium, Hexavalent Chromium, PBB, PBDE,

* European Parliament / Council Directive 2011/65 / EU