

SPECIFICATION		Specification No.	S-230900C11-13		
		Drawing No.	S-230900C11	Revision	Page
Product Name	Coaxial SPD Model : N-JP-8.5G	Enactment Date	15 May 2026	Revision Date	
		Drawing Section	Sales Engineering Department		

1. General

This product is N-type connector coaxial that is used to protect equipment such as radio equipment from the lightning surge induced to the antenna and coaxial cable. It is equipped with M4 size earth terminal, so lightning surge current can be discharged to earth surely. The product can be securely mounted to a wall or other surfaces using the included mounting bracket.

2. Environment

- 2.1 Location : indoor / outdoor*
 2.2 Rated and storage temperature : -40°C ~ +85°C
 2.3 Rated and storage humidity : ≤ 90% (non-condensing)

*For outdoor use, curing treatment with a self-adhesive tape etc. is necessary for connector connecting part in order to maintain waterproofness.

3. Appearance, Dimensions and Marking

3.1 Appearance and dimensions.

Appearance and Dimensions are figured by S-230900A11

3.2 Marking

Following particulars are marked on the body of this product;

- (1) Product name (2) Production date or lot number
 (3) Manufacturer's name or its abbreviation
 (4) Maximum continuous operating voltage (Uc)

4. Applicable Standards

The applicable standards of this product are shown in Table 1.

Table 1

Item	Standard
Surge protection performance	IEC 61643-21:2025

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5. Characteristics

The electrical characteristics and protection characteristics of this product is Table 2.

Table 2

No.	Item	Performance	Condition
1	Connector	N-type (P-J)	
2	Frequency Range	DC~8.5GHz	
3	Impedance	50 Ω	
4	Insertion Loss	≤ 0.3dB	DC~8.5GHz
5	V.S.W.R	≤ 1.35	DC~8.5GHz
6	Permissible Power	100W	
7	Maximum Continuous Operating Voltage (Uc)	DC 70V	
8	Permissible Current	1.4A	
9	Voltage Protection Level (Up)	≤ 700V	1kV/μs
		≤ 900V	1.2/50μs 10kV
10	Impulse Durability	8/20μs 10kA 10times	Category C2
		10/350μs 2kA 2times	Category D1
11	Impulse Discharge Current	8/20μs 18kA 1time	
12	Insulation Resistance	DC100V ≥500MΩ	

Note 1) Test Conditions

Temperature 20±15°C, Humidity 65±20% (IEC 160-1963 (normal condition of test place)).

Note 2) Items 7, 9, and 10 will be tested according to the provisions of IEC 61643-21.

6. Inspection

The inspection of electrical characteristics, protection characteristics and appearance shall be held as following Table 3.

Table 3

Item	Inspection Type	How to check for Characteristics
Insertion Loss	Total	According to Table.2
V.S.W.R	Total	
Maximum Continuous Operating Voltage (Uc)	Type	
Voltage Protection Level (Up)	Type	
Impulse Durability	Type	
Impulse Discharge Current	Type	
Insulation Resistance	Total	
Dimensions	Sampling	According to section 3.1
Appearance	Total	

Note1) For sampling inspection, n=5, Ac=0 and Re=1 regardless of lot size.

Note2) Type Inspection: These inspections are conducted on at least one unit from the first production lot when a new product is manufactured or when important materials or manufacturing methods are changed. However, inspection items whose performance can be confirmed by equivalent products may be omitted.

7. Packing and Marking of packaging bag

Each product shall be individually packaged in a bubble cushioning bag.

The following information shall be indicated on the bag:

(1) Product name (2) Manufacture's name or trademark

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8. Quality Assurance Period and Content of Assurance

The warranty period for this product is generally one year (*) from the date of delivery. Failures that occur during this time will be repaired free of charge or replaced only with non-defective ones if the cause is clearly judged to be our responsibility. The warranty does not cover any damage or damage to the device caused by lightning. The cost of replacement is not covered by the warranty.

This product is shipped after strict in-house inspection. However, please contact the dealer or each branch office of purchase for any trouble caused by a malfunction or accident during transportation.

Purchased items are not covered by our warranty but are covered by the manufacturer's warranty.

*If you wish to extend the warranty, we will discuss the warranty separately.

However, the warranty does not apply in the following cases:

- (1) If the product arises from use that is contrary to the conditions or precautions stated in the specifications or instruction manual, etc.
- (2) The effect of lightning strikes beyond product specifications, fire, earthquake, typhoon, eruption, flood, tsunami, salt damage, snow damage, freeze, abnormal temperature, abnormal vibration, Cases caused by other natural disasters.
- (3) When caused by changes in geology or topography, such as ground fluctuations or landslides.
- (4) Cases resulting from external factors such as fire, explosion, collision, corrosive gas, or contact with flying objects.
- (5) Cases arising from acts of a third party.
- (6) If the product is modified irrespective of our company, or improper handling such as moving, transporting or dropping the installation site, cases arising from secondary construction.
- (7) Cases caused by damage or improper construction of foundation or mounting pole. (outside our construction scope)
- (8) The failure or failure of the equipment connected to this product.
- (9) If it occurs without performing inspection and action for maintenance items recommended by us.

9. Environmental correspondence

This product is applicable to EU RoHS Directive (*) for regulated substances (10 substances: lead, mercury, cadmium, hexavalent chromium, PBB, PBDE, DEHP, BBP, DBP, DIBP), and does not include controlled substances that exceed regulatory limits.

* European Parliament and Council Directive 2011/65/EU , (EU)2015/863

10. Precautions

• Earth Wire Connection

One two-hole uninsulated crimp terminal is supplied with this product for grounding wire connection.

However, the use of a one-hole uninsulated crimp terminal is also acceptable.

Connect the grounding wire to either of the M4 screws on the product body.

•Coaxial connector fitting method

When connecting this product, rotate only the connection nut while holding the product body in place.

Do not rotate the product to prevent damage to the connector.

The tightening torque of the connection nut should be 3.0N · m or less.

