

ZN23101E Current Injection Probe - Product Datasheet

Manufacturer: Beijing Daze Technology Co., Ltd.



1. Product Overview

Model: ZN23101E
Type: Current Injection Probe
Frequency Range: 4kHz – 400MHz

The ZN23101E Current Injection Probe is designed for measuring interference currents on cables or for injecting currents into cables. It complies with GJB151B-2013 (CS114) and BCI-ISO11452-4:2020 standards for high-current injection tests. It is suitable for testing conducted emissions and immunity in various EMC testing scenarios.

2. Technical Specifications

Parameter	Specification
Frequency Range	4kHz – 400MHz
Input Impedance	50Ω
Maximum Continuous Power Handling	200W
Maximum Peak Power Handling	500W (for 60 seconds)
Connector Type	N-type
Outer Dimensions	Φ94mm × 100mm
Inner Diameter	Φ26.5mm
Probe Weight	Approx. 2kg
Package Dimensions	400mm × 210mm × 280mm
Package Weight	Approx. 4.5kg

3. Key Features

- **Wide Frequency Range:** The probe covers a frequency range from 4kHz to 400MHz, suitable for various conducted emission and immunity testing needs.
 - **High Power Handling:** Capable of handling continuous power of 200W and peak power up to 500W for 60 seconds, ensuring durability and stability during high-current injection tests.
 - **Compact and Portable:** The probe is designed for ease of use in different testing environments, with a manageable weight and dimensions.
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4. Usage Instructions

- For conducted immunity testing, set up the system according to the calibration curve provided in the CS114-1 of GJB151B-2013. Ensure the voltage output values meet the required standard as shown in the calibration chart (Figure 1).
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5. Attenuation Table

Frequency (MHz)	Attenuation (dB)
0.004	-41.1
0.01	-33.1
0.02	-27.2
0.03	-23.8
0.05	-19.5
0.10	-13.9
1	-5.1
10	-4.3
100	-4.1
400	-8.6

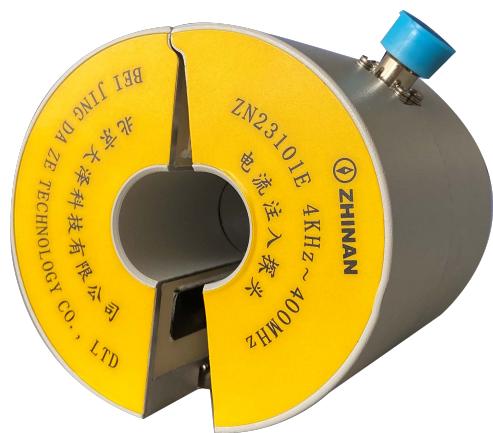
6. Standard Accessories

Item	Quantity
ZN23101E Injection Probe	1 unit
Calibration Device	1 set (optional)
50Ω Load (100W)	1 unit (optional)
2m N-N Cable	1 unit
User Manual	1 copy
Certificate of Conformity	1 copy

7. Warranty

- **Warranty Period:** 18 months from the date of shipment, covering defects under normal usage and transportation conditions.

8. Product Photo



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