



Fast Square Wave Pulse Generator

TPS-CS115

- GJB 151A-97
- GJB 151B-2013
- MIL-STD-461 E/F/G

Features

- > 5.7 Inch color touch screen front panel operation
- > Meet the test requirements of CS115 standard in GJB 151A-97 and GJB 151B-2013
- > Meets the CS115 standard test requirements in MIL-STD-461 E/F/G
- > Ethernet RJ45 port for remote control by PC

Introduction

TPS-CS115 Fast square wave pulse generator is a generator specially designed to meet the standards GJB 151A-97 CS115, GJB 151B-2013 CS115 and MIL-STD-461E/F/G CS115.

The generator produces fast square-wave pulses for conducting sensitivity tests on interconnect cables and power cables for all aircraft, space and ground systems. The equipment is also suitable for equipment and sub-system testing on surface ships and submarines when specified by the ordering party.

Application Areas



Military



Ship

Technical Parameters

Maximum test current	≥ 5 A (loop impedance 100 Ω)
Repetition frequency	1-50 Hz
Rise time (10%-90%)	≤ 2 ns
Drop time (90%-10%)	≤ 2 ns
Pulse width (90%-90%)	≥ 30 ns
Output impedance	50 Ω
Output interface	Type N

Common Parameter

working power supply	AC 220 V, $\pm 10\%$, 50-60 Hz (AC 220 V for China mainland)
Ambient humidity	45%-75% RH(no condensation)
Relative humidity	15-35 $^{\circ}\text{C}$
Dimensions	19 Inch 4U
Weight	Approx. 18Kg

Standard Accessorie

Main machine, manual, test report, warranty, test wire, power cord, grounding wire

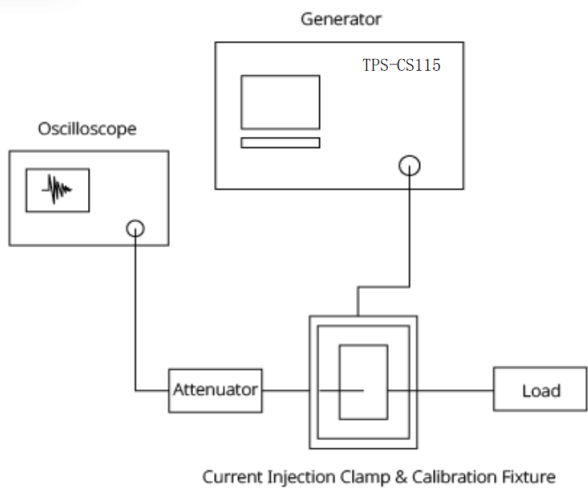
Optional Accessorie

Current injection clamp and calibration clamp (required, two options available)	
Option 1. Current injection clamp BCIP-200 and calibration clamp BCICF-200 	Frequency range :10 kHz ~ 200 MHz Inner diameter $\phi 40$ mm
Option 2. Current injection clamp BCIP-400 and calibration clamp BCICF-400 	Frequency range :10 kHz ~ 200 MHz Inner diameter $\phi 40$ mm
Note: This generator only matches BCIP-200 and BCICF-200 or BCIP-400 and BCICF-400 and FCC related products.	
1. High voltage coaxial load HCL 50N 	50 Ω 5 W DC-200 MHz
2. Attenuator TFB 100 	40 $\pm$ 1.5 dB 5 W DC-400 MHz
3. Broadband current monitoring clamp TWCM-200 	Frequency range 10 kHz-200 MHz Inner diameter $\phi 40$ mm

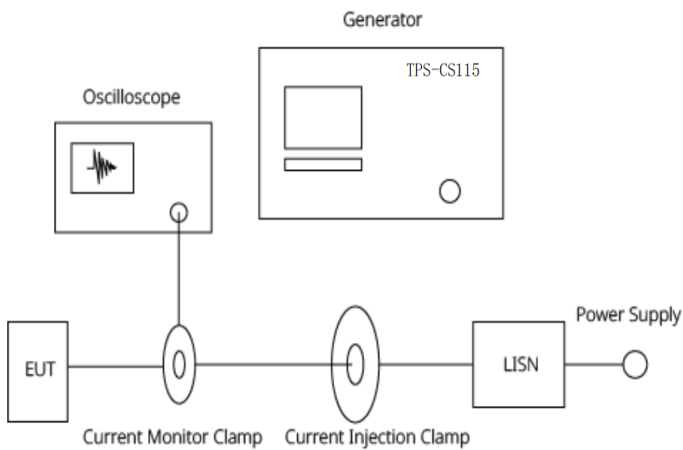
Optional
Accessorie

4.LISN J50		Maximum continuous current 50 A Impedance 50 μH + 5 Ω 50 Ω
5. LISN J200		Maximum continuous current 200 A Impedance 50 μH + 5 Ω 50 Ω

1. Connection Illustration for Calibration



2. Connection Illustration for Test



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