



High Frequency Damped Sinusoidal Transient Pulse Generator **DOS-CS116-5**

- MIL-STD-461
- GJB 151

Features

- > 5.7-inch color touchscreen front panel operation
- > Output frequency 5 MHz, 14 MHz, 15 MHz, 28 MHz, 56 MHz
- > In compliance with CS116 test in MIL-STD-461
- > Ethernet RJ45 port for PC remote control and testing report print

Introduction

DOS-CS116-5 High Frequency Damped Sinusoidal Transient Pulse Generator is specially designed to meet CS116 test in MIL-STD-461E/F/G. This generator can produce five damped sine(cosine) waves from 5 MHz to 56 MHz, used for all interconnection cables and power cables conduction susceptibility tests of aircrafts, space and surface system. This equipment is applicable for warships and subsystem tests as well as.

The device can be controlled by CoreLab PC control software, which makes the test simple and convenient.

Application Areas



Technical Parameters

Test Frequency ($\pm 2\%$)	5 MHz, 14 MHz, 15 MHz, 28 MHz, 56 MHz
Max. Test Current (Loop Impedance 100 Ω)	≥ 10 A @5 MHz ≥ 10 A @14 MHz ≥ 10 A @15 MHz ≥ 10 A @28 MHz ≥ 5.36 A @56 MHz
Output Impedance	<100 Ω
Damped Factor (Q)	15 $\pm$ 5

General Parameters

Display Screen	5.7-inch TFT touchscreen
Working Power	AC 220 V $\pm 10\%$, 50/60 Hz $\pm 5\%$
Fuse	6 A
Max. Power Consumption	500 W
Dimension	6U rack, 450 (W) $\times$ 280 (H) $\times$ 450 (D) mm
Weight	Approx. 26.5 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	35% RH ~ 85% RH (no condensation)
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

Power Cord, Test Cables, User Manual, Grounding Wire, Coaxial Cable, Adapter, Fuses

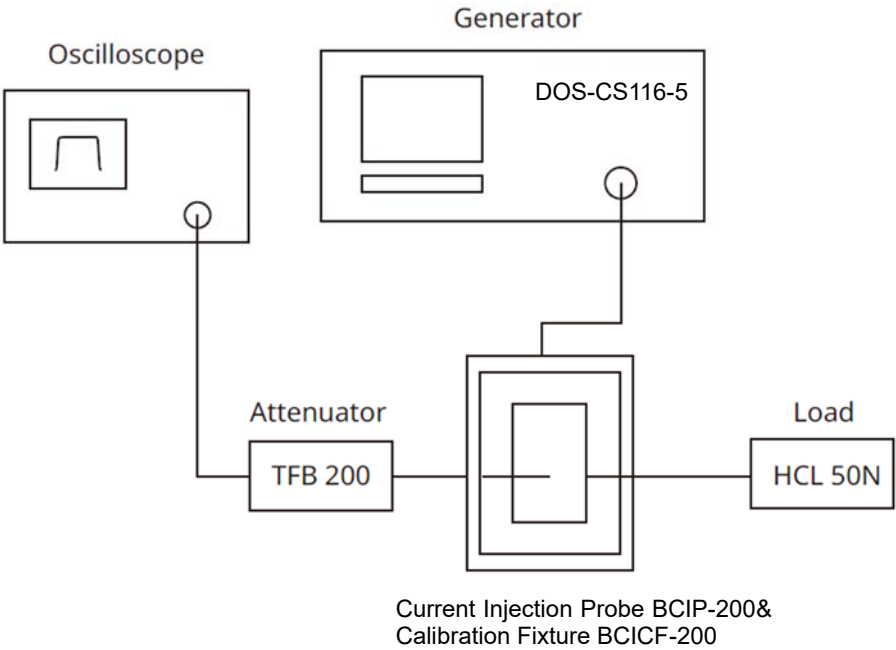
Optional Accessories

1	Current Injection Clamp	Model: BCIP-200 Frequency: 4 kHz ~ 200 MHz	
2	Current Injection Calibration Fixture	Model: BCICF-200 Frequency: DC ~ 200 MHz Characteristic impedance: 50 Ω	
3	HV Coaxial Load	Model: HCL 50N Frequency: DC ~ 200 MHz Input impedance: 50 Ω Power: 5 W	
4	Attenuator	Model: TFB 200 Frequency: DC ~ 400 MHz Input impedance: 50 Ω Voltage attenuation ratio: 200:1 Attenuation: 46 dB $\pm$ 1 dB @ DC ~ 100 MHz: 46 dB $\pm$ 3 dB @ 100 MHz ~ 400 MHz	

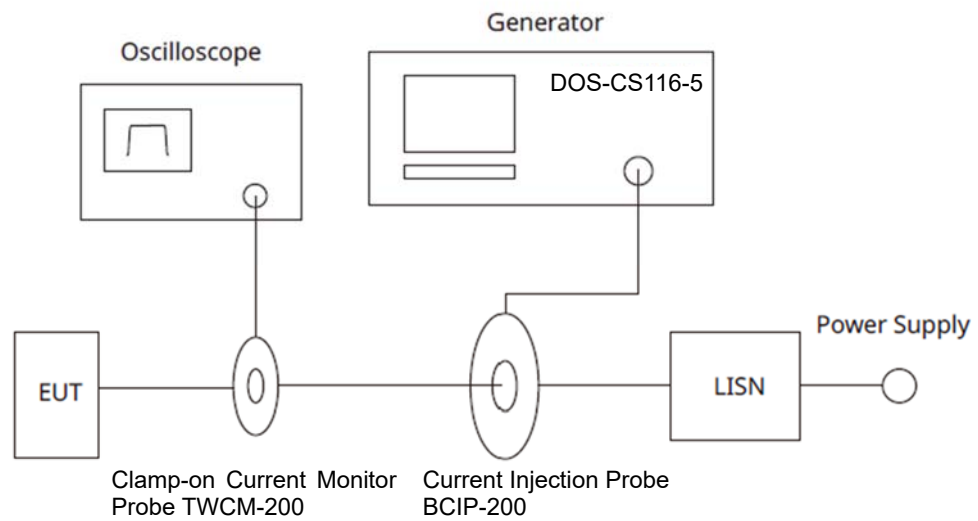
Optional
Accessories

5	Clamp-on Current Monitor Probe	Model: TWCM-200 Frequency: 1 kHz ~ 200 MHz Inner diameter: 40 mm	
6	Line Impedance Stabilization Network	Model: LISN Jxx series Frequency: 9 kHz ~ 30 MHz Test voltage: 250 V AC, 50 Hz/60 Hz 135 V AC, 400 Hz 500 V DC Test current: choose according to EUT's current	
7	Line Impedance Stabilization Network	Model: LISN MLxxHVS series Frequency: 9 kHz ~ 30 MHz Test voltage: 380 V AC, 50 Hz/60 Hz 1000 V DC Test current: choose according to EUT's current	
8	Control Software	Model: Corelab Support Windows 7/8/10 /11; support Ethernet Interface; support sequence test, easy to operate, generate & export test report.	

Calibration Connection
Diagram



Test Connection Diagram



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