

DAMPED SINUSOIDAL TRANSIENTS GENERATOR

DOS-CS116



As per

- > GJB 151A-97 CS116
- > GJB 151B-2013 CS116
- > MIL-STD-461E/F/G CS116

Summary

DOS-CS116 High Frequency Damped Sine Wave Generator is a high level generator which is designed to meet GJB 151A-97 CS116, GJB 151B-2013 CS116 and MIL-STD-461E/F/G CS116. This generator can produce 6 kinds of damped sine waveforms with frequency from 10kHz to 100MHz. It is used for all interconnection cables and power cables of aircrafts, surface warships, submarine, space and ground system to perform conducted susceptibility tests.

Features

- > 5.7inch touch screen front panel operation
- > Compliance with GJB 151A-97、GJB151B-2013 CS116 and MIL-STD-461 E/F/G CS116
- > 6 kinds of Oscillation frequency from 10kHz to 100MHz
- > Easy operation
- > Ethernet, RJ45 interface, PC remote control, test report printing

Application

- > Military
- > Warships

Technical parameters		
Oscillation frequency	10 KHz 、 100KHz 、 1 MHz 、 10 MHz、 30 MHz 、 100 MHz	
Test current range (loop impedance 100Ω)	10kHz	≥0.1A
	100kHz	≥1A
	1MHz	≥10A
	10MHz	≥10A
	30MHz	≥10A
	100MHz	≥3A
Output impedance	<100 Ω	
Damping factor (Q)	15 ±5	
Repetition rate	1~9S	
Output interface	BNC	

General parameters	
Power supply	AC 110/220V, ± 10%, 50-60Hz (AC220V for China)
Environment temperature	45%-75%RH (no condensing)
Relative humidity	15-35°C
Size	21 inch, 6U
Weight	Approx.26.5Kg

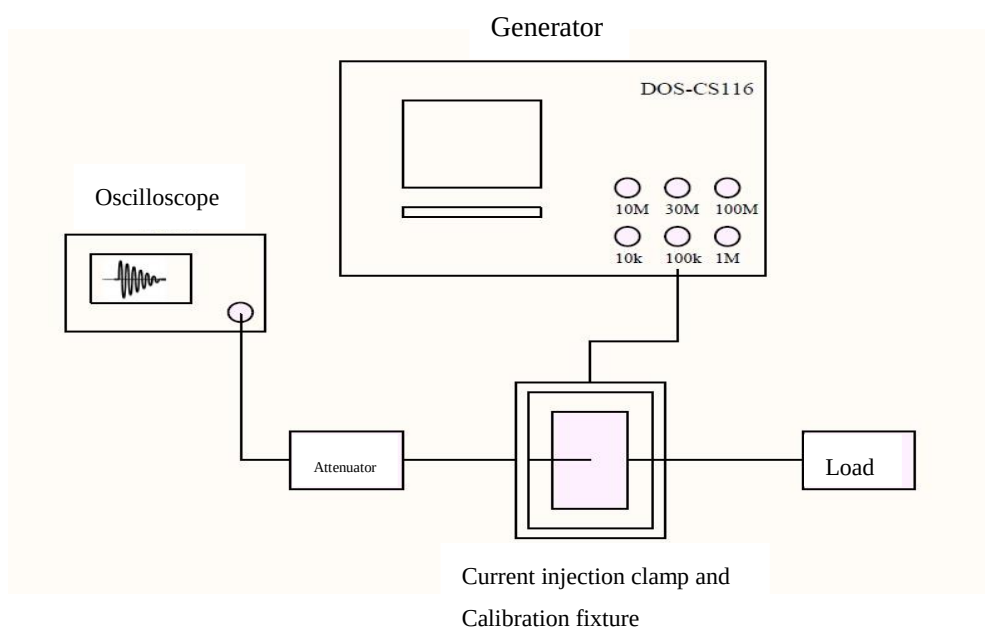
Standard equipped

Simulator, user manual, inspection report, warranty, test cables, power cords, grounding wire

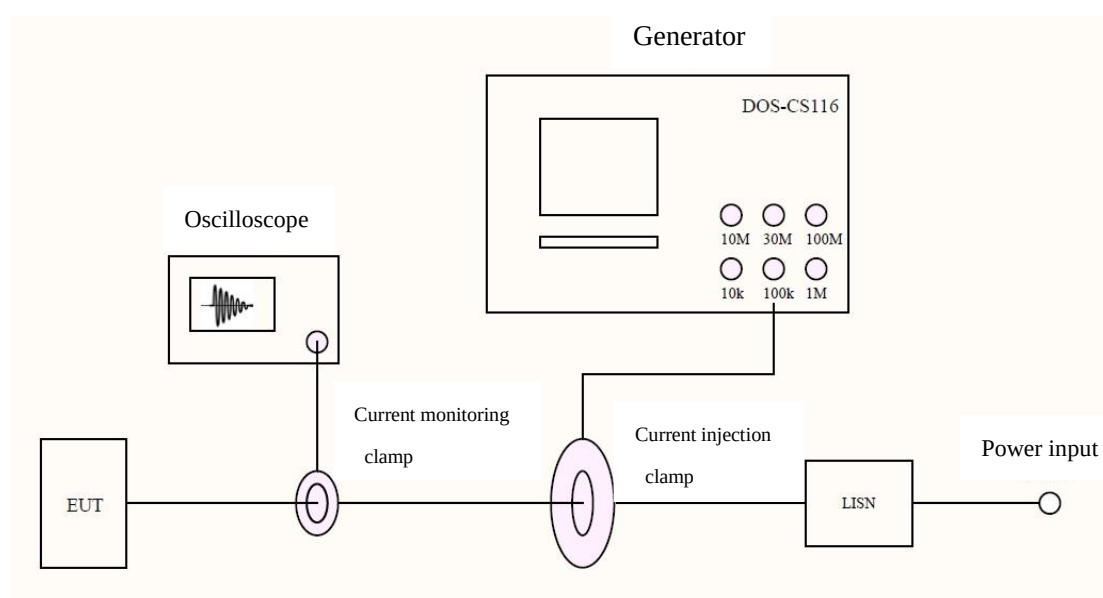
Options	Main technical parameters
1.Current injection clamp BCIP-200 	Frequency range 10kHz ~ 200MHz, inner diameter φ 40mm
2.Calibration fixture BCICF-400 	Frequency range 10kHz ~ 400MHz
3.Coaxial fixed load TFE5-3 	50Ω 5W DC-3GHz
4. Attenuator TFB 100 	40±1dB 5W DC-400MHz
5. Broadband current monitoring clamp TWCM-200 	Frequency range 10kHz-200MHz inner diameter φ 40mm

6. LISN J50 	Max. continuous current 50A Impedance 50uH+5Ω/50Ω
7. LISN J20 	Max. continuous current 200A Impedance 50uH+5Ω/50Ω

1. Calibration connection diagram:



2. Typical test connection diagram:





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